



QUALITY GLASS &
LAPIDARY
MACHINERY



Dist. by: Johnson Brothers Lapidary
www.JBFC.com



Dear Friends,

I would like to extend my sincerest gratitude for your continued support as loyal Covington customers. It has been two years since we last updated our catalog, as we have been trying to hold prices down on our products. This year we are introducing our most comprehensive and largest catalog yet. I hope you enjoy the changes and that they make your experience better than ever before.

Some of the additions you will find include more complete product descriptions, starter kits for several of our units, and useful tips and important information for easy set-up and equipment use. Additionally, we are very pleased to introduce several new products. We now manufacture a new Professional Glass Lathe, a modern take on a Spatzier or Merker style lathe. We also now stock new Diamond Dot-lap Discs, which are a more affordable and more aggressive option for lapidary and glass artists alike.

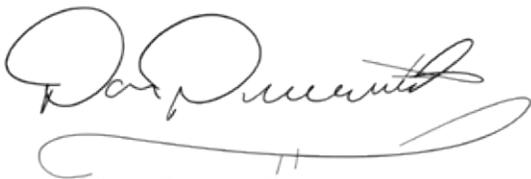
You will notice we removed the QR codes from the catalog. In short, they ended up causing more confusion than they were worth. Our website has also been updated, and we are continuously revising it to be more user-friendly. Some modifications include a powerful search engine for locating specific products, as well as category links for ease in general browsing. Another feature is that our entire catalog is available online in .pdf format, allowing you to view all our products instantly, and help us remain “green.” Finally, new videos are being uploaded weekly with tips to aid in the setup, use, and general machine maintenance for assistance in troubleshooting.

As the true manufacturer of our products and global supplier of lapidary and glass machines, we continue to buy the best quality raw materials available. We utilize local suppliers for all of our castings and raw sheet metal. We primarily rely on U.S. manufacturers and suppliers for our assembly parts, however some are internationally sourced to maintain the highest quality products.

We have continued to upgrade our equipment with more computer-controlled machines, aiding in product accuracy and precision, as well as reducing overall production costs. In the past two years, we purchased three new machines: a hydraulic press brake for more accurate angles in bending sheet metal, a dual spindle lathe to decrease production time, and a gear hobbing machine.

These new machines allow us to innovate and improve our products. Our sanders now feature crown pulleys manufactured from aircraft aluminum bar stock, which results in a more stable and balanced machine with reduced belt vibration. We also now machine a custom gear for the 700 series saw power feed that is stronger, heavier, and more durable than the previous product.

As our company continues to grow, our priority remains to provide you with the best service and finest quality glass and lapidary equipment. Again, thank you for being a part of our extensive Covington family, we sincerely appreciate your business.



Dan Drouault
President



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COVINGTON ENGINEERING

SINCE 1848

Covington Engineering is a proud manufacturer of glass and lapidary equipment. In business since 1848, we have decades and generations of experience. Originally a manufacturer of hand and foot grinders for sharpening farm tools and shaping sea shells and coral, Covington grew and evolved into a manufacturer of lapidary and glass equipment. Covington's ability to adapt and modernize our equipment makes us a leader in the industry. We continue to look for newer and better ways to improve our product. We believe that our customers deserve to pay rock bottom prices and so we continue to search for the highest quality supplies at the lowest possible prices.

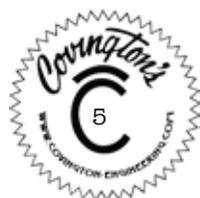
One way we are able to save money for our customers is by using local materials and foundries. Locally forged steel and aluminum reduces shipping costs thereby reducing overall product cost. This also stimulates local economy and keeps jobs in America. As we are proud to be an American manufacturer, we are also proud to support American industry and economy. Additionally, using local suppliers allows us to keep our suppliers accountable for producing quality products.

All Covington equipment is assembled by specially trained technicians. These technicians ensure that each piece of machinery works properly and holds tight tolerances. We believe in the importance of producing high quality products. It is not unusual for a customer to bring in a piece of equipment that is decades old and simply need a small repair or refurbishment. It is this idea that a product should last generations that gives our product a competitive edge. You can buy a Covington unit and know that it will last for years to come.

All Covington units undergo rigorous testing in our factory. Although we do our utmost to prevent a defective item from leaving our facility, occasionally a defective part will not show problematic symptoms in house. This is why Covington Engineering provides a full one year warranty against defective parts. See the back cover for additional information and details about our guarantee.

It is Covington's philosophy that equipment should last a life time. Although this means working ourselves slowly out of a job, we truly believe that anything less than our absolute best is no way to do business. You can believe in Covington equipment and our customer service department always gives 100% effort!

EQUIPMENT



CHOOSING AND USING A COVINGTON SANDER

Covington's Sanders are high-quality, multipurpose units. Available in a variety of sizes and compositions, there is something in this line of units for your purposes. Sanders can grind and polish small and large pieces of glass and stone. These units are also excellent for deburring, shaping, cleaning, sharpening, and smoothing work pieces. Every sander comes fitted with a 220g silicon carbide sanding belt that runs at 741 feet per minute. These versatile units are an excellent choice for beginners and professionals alike. Glass customers believe every coldworking shop should have a Covington Sander!

CHOOSING YOUR COVINGTON SANDER

COVINGTON'S HORIZONTAL SANDERS are available in two sizes and designed for working long flat pieces such as tile edges. These two units feature a long flat backing plate to ensure a smooth flat edge.

COVINGTON'S BASIC WET BELT SANDER is the base unit for the **MOUNTED WET BELT SANDER**. This unit features approximately six usable inches of workspace, but longer pieces can be worked across the belt's three-inch face by moving left and right across this work area. A two-inch high back plate is installed to allow the user to make a hard edge. The space above the back plate is more forgiving and allows for softer edges and curves. These units accept 3" x 24" belts. Belts are available in silicon carbide and diamond for grinding, cork for pre-polishing glass, and felt for polishing glass. The Basic Sander does not feature a motor or a baseboard for mounting. This unit is designed for the user who already has a motor and a place to mount the unit. The Mounted Basic Sander is a complete unit that can just be plugged in and started.

COVINGTON'S LARGE BASIC WET BELT SANDER is the base unit for the **COMMERCIAL WET BELT SANDER** and the **DELUXE COMMERCIAL WET BELT SANDER**. These models feature approximately thirteen usable inches between drums. The Basic unit and the Commercial Unit both come with a four-inch backing plate installed; the Deluxe Commercial unit comes with a thirteen-inch backing plate installed and a four-inch backing plate which can easily be substituted for the larger one. The backing plates are designed to give a solid grind to your piece. The belt above the backing plate is softer and more malleable which allows for smoother curves and shapes. Pieces larger than thirteen inches can be worked horizontally across the face of the belt. These units accept 3" x 41-1/2" belts that will give you approximately twice the wear life of the 3" x 24" belts for the smaller sanders.

When deciding between the sanders, it is important to know your work. If you are only ever working small pieces such as jewelry then the small sander will probably suit your needs. For an insignificant price increase, however, you can purchase the Commercial Sander, which provides more usable workspace and longer belt life. It is important to remember the price of the consumables when pricing your purchase. The belts will add additional cost throughout the life of the unit. The advantage to the Deluxe Commercial Sander is the 1/2hp motor with a capacitor; this provides more than sufficient torque for working large pieces and pressing against the belt.

TRACKING

The most common question we receive is about tracking the belt onto the drums. This is easily accomplished by adjusting the tri-knob on the top left hand side of the sander. Turning the knob towards yourself brings the drum up and tightens the belt driving the belt to the left. Turning the knob away from you tilts the drum down and drives the belt to the right loosening the belt. You may need to adjust the tension on the belt if the belt is new or if the belt has become saturated with water. Dry belts tend to be tighter and the tension bolt underneath the upper drum may need to be loosened. As the belt becomes wet you will probably have to tighten the tension to keep it tracking true. Adjust the tension by turning the bolt to the right, lifting the drum up, and tightening the belt. When you want to change the belt altogether, grab the switch and spin the tri-knob towards yourself. When the belt is hanging off the right hand side, turn the switch off and finish working the belt off the drums by hand. Work the new belt onto the drums by hand. Tighten the tri-knob by turning it towards yourself and then turn the switch back on. Using the tri-knob only, adjust it until it tracks straight using the guidelines above. NEVER adjust the nylon lock-nut that is below the tri-knob and above the tensioning bolt. This lock-nut is factory set and if over-tightened it will snap the upper bearing casting. This is a user mistake and any damage to the casting is NOT covered by the warranty. Always leave this nut alone.

WATER HOOK-UP

There are a few options available for water hook-up to your new Covington Sander. The two most common are the pressure tank, which provides water to the belt with only a few pumps of pressure, or the water pump, which provides constant water to the belt. Both methods are efficient and inexpensive. The Pressure Tank will hook right into your sander valve and must be tightened down sufficiently for the aluminum tubing to remain in the valve. Simply give the pressure tank a few pumps and the water will begin to spray onto the belt. You will occasionally have to pump the handle to keep pressure in the tank and keep the water flowing. The water pump is a submersible unit that must be placed into a bucket of water. The pump has a quick connect attachment for the 1/4" plastic tubing. Simply press the tubing into the quick connect and it will stay in place. The other end of the tubing must be placed securely into the sander valve using a copper fitting with the tubing. This fitting prevents leaking. Once the tubing is connected, simply plug the pump into an outlet, make sure the valve is open and it will begin putting water onto your belt.

We usually recommend purchasing a drain kit with your sander to eliminate dirty water as it accumulates in the pan. Simply remove the drain plug, attach the drain kit, and put the remaining tubing into a bucket. By removing the water from the pan, you prevent over flow, cross-contamination, and scratching of your pieces.





BASIC SANDERS

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FEATURES

BASIC SANDERS

- ✓ Heavy duty cast aluminum pan and upright
- ✓ Solid steel backing plate
- ✓ Powder coated for durability

- ✓ Single control alignment to keep belt running true
- ✓ Shielded bearings, double sealed and greased for life
- ✓ No motor or mounting base

Covington's Basic Wet Belt Sanders are designed for grinding, shaping, and polishing stones and glass. The basic sander is a "build-your-own" style unit. It is sold without the motor, base board, belt guard, v-belt, and water supply. These units are ideal for persons who already have a motor and set up they would like to use. These units give the user the freedom of set up and fewer space constraints. All units ship with, instructions, and product guarantee.

BASIC WET BELT SANDER



20% off

The Basic Wet Belt Sander uses 3" x 24" sanding belts. It features six inches of usable work space and a two inch high backing plate.

Basic Wet Belt Sander			
Model #	Weight	Dimensions	Price
464WBS	18 lbs.	16" x 12" x 10"	\$399.00

LARGE BASIC WET BELT SANDER



20% off

The Large Basic Wet Belt Sander uses 3" x 41-1/2" sanding belts. It features thirteen inches of usable work space and a four inch high back plate.

Large Basic Wet Belt Sander			
Model #	Weight	Dimensions	Price
764WBS	28 lbs.	23" x 14" x 10"	\$549.00





FEATURES

MOUNTED SANDERS

- ✓ Heavy duty cast aluminum pan and upright
- ✓ Solid steel backing plate
- ✓ Powder coated for rust resistance and durability
- ✓ Runs quietly

- ✓ Single control alignment to keep belt running true
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders
- ✓ See page 9 to COMPLETE your unit!

Covington's Mounted Wet Belt Sanders are designed for grinding, shaping, and polishing stones and glass. These units feature six inches of usable work space and two inch high backing plates. These units feature a water valve and spray nozzle built in for easy water hook up. Units are mounted to rustproof base and come complete with motor, belt guard, instructions and product guarantee.

MOUNTED WET BELT SANDER

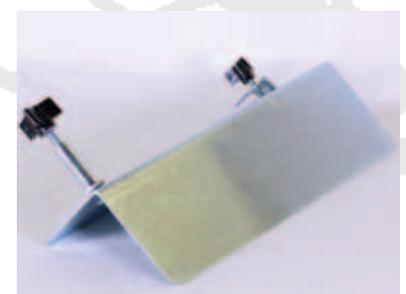


20% off

The #466 Mounted Wet Belt Sander ships with the motor attached, ready to plug in and operate.

Mounted Wet Belt Sander						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
466WBS	110V, 60Hz	MTR534	1/3 hp	45 lbs.	24" x 12" x 20"	\$625.00
4662WS	220V, 50Hz	MTRH81	1/3 hp	45 lbs.	24" x 12" x 20"	\$675.00

BACKING PLATES



2" Back Plates		
Order #	Weight	Price
CSBP02	2 lbs.	\$15.25

4" Back Plates		
Order #	Weight	Price
CSBP04	3 lbs.	\$35.50

13" Back Plates		
Order #	Weight	Price
CSBP13	5 lbs.	\$55.50

MOUNTED SANDERS

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COMMERCIAL SANDERS

FEATURES

- ✓ Heavy duty cast aluminum pan and upright
- ✓ Solid steel backing plate
- ✓ Single control alignment to keep belt running true
- ✓ Runs quietly

- ✓ Powder coated for durability
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders
- ✓ See page 9 to COMPLETE your unit!

The Commercial Wet Belt Sander Series is designed for large production work. 3" x 41-1/2" size belts provide greater sanding surface and extended belt life. These units feature a water valve and spray nozzle built in for easy water hook up. Units are mounted to rustproof base and come complete with motor, belt guard, instructions and product guarantee. Units ship with motor attached, ready to plug in and operate.

COMMERCIAL WET BELT SANDER



20% off

The #760 Commercial Wet Belt Sander comes complete with a 4" high back plate and a 1/3hp motor.

Commercial Wet Belt Sander						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
760WBS	110V, 60Hz	MTR534	1/3 hp	52 lbs.	27" x 27" x 14"	\$746.25
7602WS	220V, 50Hz	MTR199	1/2 hp	52 lbs.	27" x 27" x 14"	\$788.25

DELUXE COMMERCIAL WET BELT SANDER



20% off

The #761 Deluxe Commercial Wet Belt Sander is equipped with a 1/2hp motor, a 13" high back plate, and a 4" high back plate. The 13" high back plate makes it possible to wet sand flat surfaces vertically.

Deluxe Commercial Wet Belt Sander						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
761WBS	110V, 60Hz	MTR199	1/2 hp	67 lbs.	27" x 27" x 14"	\$866.25
7612WS	220V, 50Hz	MTR199	1/2 hp	67 lbs.	27" x 27" x 14"	\$908.25

COMMERCIAL SANDERS

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HORIZONTAL SANDERS

FEATURES

- ✓ Heavy duty, 16 gauge steel pan
- ✓ Single control alignment to keep belt running true
- ✓ Powder coated for rust resistance and durability
- ✓ Runs quietly
- ✓ Solid steel backing plate
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders
- ✓ See page 9 to COMPLETE your unit!

Covington's Horizontal Wet Belt Sanders are designed for grinding long flat surfaces such as tile edges. These units are not designed for polishing applications. The belt runs too close to the tank bottom which leads to contamination issues.

HORIZONTAL WET BELT SANDER



20% off

The #460 Horizontal Wet Belt Sander is designed for grinding flat surfaces such as tiles. This sander uses 3" x 25-7/32" sanding belts and comes complete with a 1/3hp motor mounted on a rustproof aluminum-topped Lam-I-Cushion base, a water valve and spray nozzle for water supply hook up, 3" x 6" backing plate, instructions, and product guarantee. This machine ships with the motor attached, ready to plug in and operate.

Horizontal Wet Belt Sander						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
460WBS	110V, 60Hz	MTR534	1/3 hp	43 lbs.	24" x 12" x 10"	\$625.00
460ZWS	220V, 50Hz	MTRH81	1/3 hp	43 lbs.	24" x 12" x 10"	\$675.00

COMMERCIAL HORIZONTAL SANDER

20% off



The #762 Commercial Horizontal Wet Belt Sander is designed for large production work. This sander comes complete with a 1/2hp motor mounted on a rustproof aluminum-topped Lam-I-Cushion base, instructions, and product guarantee. The supported back plate gives user a 3" x 13" working space for grinding long flat surfaces. This wet belt sander uses 3" x 41-1/2" sanding belts increasing grinding surface and extending belt life. This model ships with the motor attached ready to plug in and operate.

Commercial Horizontal Wet Belt Sander						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
762WBS	110V, 60Hz	MTR199	1/2 hp	72 lbs.	25" x 25" x 12"	\$865.00
762ZWS	220V, 50Hz	MTR199	1/2 hp	72 lbs.	25" x 25" x 12"	\$865.00

HORIZONTAL SANDERS

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SANDER STARTER KITS

WHY BUY A STARTER KIT?

- ✓ Buying the starter kit ensures that you have everything you need to get your sander up and running from the first time you open up the box
- ✓ Your unit will need to be plumbed; the plumbing kit ensures a fast and easy set up
- ✓ Sand belt starter kits are an excellent choice for both beginners and professionals. This 10 pack of belts ensures you are ready to start sanding right away and will help you learn which belts work best for your application.

SAND BELT STARTER KIT



Sand Belt Starter Kit			
Kit	Order #	Weight	Price
2 1/2" x 6" Sand Belt Kit	SBK218	4 lbs.	\$14.50
3" x 24" Sand Belt Kit	SBK324	4 lbs.	\$18.00
3" x 8" Sand Belt Kit	SBK325	4 lbs.	\$20.25
3" x 41-1/2" Sand Belt Kit	SBK341	6 lbs.	\$31.50

Kit includes 10 belts (1 each - 60g, 80g, 220g, 320g, 400g, 600g, 800g, 1,000g, and 2-100g)

* To receive this special price, belts may not be exchanged for other grits. *

SANDER PLUMBING KIT



Kit includes a Water Pump, 10' of 1/4" Plastic Tubing, and a Drain Kit

Sander Plumbing Kit			
Kit	Order #	Weight	Price
Vertical Sander Kit	WBSKIT	4 lbs.	\$66.96
Horizontal Sander Kit	WBSKTH	4 lbs.	\$66.95



SANDER STARTER KITS

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JBFC.com



CHOOSING AND USING A COVINGTON TUMBLER

CHOOSING YOUR COVINGTON TUMBLER

Covington's Tumblers are designed for tumbling small to medium sized stones, gems, glass, jewelry castings, coins, bullet casings, and other small products. The Roll-N-Tumble Gem Tumblers feature solid EVA barrels with two raised ridges to promote the grinding process by causing the media to fold over on itself instead of sliding down the barrel's side. These barrels are available in three sizes: one gallon, one half gallon, and one quart. Machines are available in sizes ranging from single barrel to triple barrel in each barrel size. Additional barrels are available for purchase and the larger units allow for you to mix and match barrel sizes. For instance, a double gallon tumbler will accommodate two gallon barrels, three half-gallon barrels, several quart barrels, or a mixture thereof. Some people like to have a barrel for each step of the grinding process that allows them to inspect their pieces and move them on to the next step without eliminating all of the grit from the first process. Covington's Deluxe Tumbler is unique in that it provides a unique three-way action that promotes the grinding process. Whereas the rolling tumblers only tumble in a single motion, the Deluxe Tumbler is hexagonal in shape and sits at a tilted incline. The barrel's six sides and the incline of the barrel allow for a faster and more effective tumble. This unit does not allow the option of multiple barrels running at once. Instead, the user must inspect each piece carefully and set aside pieces that are ready for the next step and those that must be re-tumbled at the coarser step. If you find that the medium or fine tumbling steps are not removing deep scratches, remove the piece and tumble it again at a coarser step. Once your pieces are ready for a final polish, we recommend using plastic pellets as a cushioning agent during the polishing stage. This media will help reduce the chance of your pieces breaking or fracturing.

USE

When tumbling, fill the barrel approximately two-thirds full of stone. For a one-gallon barrel, use about a cup of grit, and a couple of tablespoons of Old Miser; increase or decrease proportionally according to barrel size. You want your tumbling media to be a slurry. This will appear to be the consistency of a thin hand cream. Keeping your media at this creamy state will ensure maximum grinding. This is merely a suggestion, not a hard and fast rule for tumbling. The best way to ensure you are receiving maximum effect for your tumbling is by keeping record of your tumbling process. Keep record in a journal of the amount of grit you use, what type of grit you used, how much water, how much stone, what kind of stone, et cetera. This will ensure that future tumblings are more effective. The best way to learn tumbling is trial and error. Keeping notes allows you to remember exactly what worked and what didn't and how you can be better prepared for future tumblings.

Tumbling is a fun and easy way to grind and polish gemstones. Always remember to place pieces of equal or similar Mohs Hardness in the tumbler. If you mix stone hardnesses you will find that the hard stones have not tumbled well and the soft stones have been ground down to nothing. A simple test for checking hardness is taking a wood nail and trying to scratch your stone. The iron is a 5 on the Mohs scale and will scratch anything softer than a 5 but it will not leave any mark on a stone harder than a 5.

MAINTENANCE

When placing the barrel lid back on the barrel, make sure that the clamp is tightened around the top where the lid fits into the barrels neck. If the clamp is tightened lower than the lid it can lead to premature wearing of the neck and possible leaking from the lid area. Please note, these barrels are a consumable item and wear out over time. They are not covered under warranty except if they are defective. These barrels tend to blacken over time. There is no way to prevent this from happening. Regularly maintain tumbler by greasing nylon bearings on each side where the shaft rests in the aluminum casting. You can use marine grease or white lithium grease, both should be available at your local hardware supply store. Covington's tumblers are designed and built to last you a lifetime.



ROLL-N-TUMBLE GEM TUMBLERS

GALLON BARREL MODELS



ROLL-N-TUMBLE GEM TUMBLERS GALLON MODELS

FEATURES

- ✓ Heavy duty cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Powder coated for durability

- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ Limited 220V, 50Hz available for international orders, transformers available for all others

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning.



20% off

Covington's Single Gallon Rolling Tumbler features a 17" cast aluminum and steel chassis, and a stout 1/21 hp motor. This unit ships complete with one barrel, a small sample of Old Miser, instructions, and product guarantee.

Single Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
251TUM	110V, 60Hz	MTR618	1/21 hp	12 lbs.	1-Gallon	20 lbs.	23" x 14" x 10"	\$370.00
2512TM	220V, 50Hz	MTR552	1/21 hp	12 lbs.	1-Gallon	20 lbs.	23" x 14" x 10"	\$380.00

20% off



Covington's Double Gallon Rolling Tumbler features a 24-1/2" aluminum and steel chassis and a 1/6 hp motor. This unit is not available in 220V, 50Hz for international customers but can be used with a voltage transformer. The two barrels rest on the steel shafts with the lids facing out towards the bolts. This unit ships complete with two barrels, a small sample of Old Miser, instructions, and product guarantee.

Double Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
252TUM	110V, 60Hz	MTR580	1/6 hp	24 lbs.	1-Gallon	32 lbs.	30" x 14" x 10"	\$495.00



Covington's Triple Gallon Rolling Tumbler features three solid EVA barrels, a 35" cast aluminum and steel chassis, and a 1/6 hp motor. This unit is not available in 220V, 50Hz for overseas customers but can be used with a voltage transformer. This tumbler is powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings and are supported in the middle to ensure that the shafts don't bend from the weight of the barrels. The three barrels rest on the steel shafts with the two outside barrels facing towards the bolts. This unit ships complete with three barrels, a small sample of Old Miser, instructions, and product guarantee.

Triple Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
253TUM	110V, 60Hz	MTR580	1/6 hp	36 lbs.	1-Gallon	38 lbs.	40" x 14" x 10"	\$595.00





ROLL-N-TUMBLE GEM TUMBLERS

1/2-GALLON BARREL MODELS

FEATURES

- ✓ Heavy duty cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Powder coated for durability
- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ Limited 220V, 50Hz available for international orders, transformers available for all others

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning.

20% off



Covington's Single 1/2-Gallon Rolling Tumbler features a single solid EVA barrel, an 11-1/2" cast aluminum and steel chassis, and a 1/21 hp motor. This unit ships complete with one barrel, a small sample of Old Miser, instructions, and product guarantee.

Single 1/2-Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
254TUM	110V, 60Hz	MTR618	1/21 hp	6 lbs.	1/2-Gallon	18 lbs.	16" x 12" x 10"	\$355.00
2542TM	220V, 50Hz	MTR552	1/21 hp	6 lbs.	1/2-Gallon	18 lbs.	16" x 12" x 10"	\$365.00



Covington's Double 1/2-Gallon Rolling Tumbler features a single solid EVA barrel, a 17" cast aluminum and steel chassis, and a 1/21 hp motor. The two barrels sit on the shafts with the aluminum lids facing outward towards the bolts. This unit ships complete with two barrels, a small sample of Old Miser, instructions, and product guarantee.

Double 1/2-Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
255TUM	110V, 60Hz	MTR618	1/21 hp	12 lbs.	1/2-Gallon	22 lbs.	23" x 14" x 10"	\$430.00
2552TM	220V, 50Hz	MTR552	1/21 hp	12 lbs.	1/2-Gallon	22 lbs.	23" x 14" x 10"	\$440.00



Covington's Triple 1/2-Gallon Rolling Tumbler features three solid EVA barrels, a 24-1/2" cast aluminum and steel chassis, and a 1/6 hp motor. This unit is not available in 220V, 50Hz for international customers but can be used with a voltage transformer. The three barrels rest on the steel shafts with the two outside barrels facing towards the bolts. This unit ships complete with three barrels, a small sample of Old Miser, instructions, and product guarantee.

Triple 1/2-Gallon Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
256TUM	110V, 60Hz	MTR580	1/6 hp	18 lbs.	1/2-Gallon	32 lbs.	30" x 14" x 10"	\$545.00



1/2-GALLON MODELS ROLL-N-TUMBLE GEM TUMBLERS

ROLL-N-TUMBLE GEM TUMBLERS

QUART BARREL MODELS



ROLL-N-TUMBLE GEM TUMBLERS QUART MODELS

FEATURES

- ✓ Heavy duty cast aluminum construction
- ✓ Solid 1/2" steel support bar
- ✓ Powder coated for durability

- ✓ Runs quietly
- ✓ Solid EVA barrel and cast aluminum lid
- ✓ Limited 220V, 50Hz available for international orders, transformers available for all others

Covington's Rolling Tumblers feature a solid EVA barrel. Units are powder coated for durability and longevity. The steel support shafts are cushioned by nylon bearings. The barrel rests on the steel supports and lifts off for easy inspection and cleaning.



20% off

Covington's Single Quart Rolling Tumbler features a single solid EVA barrel, a 9-1/4" cast aluminum and steel chassis, and a 1/21 hp motor. This unit ships complete with one barrel, a small sample of Old Miser, instructions, and product guarantee.

Single Quart Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
257TUM	110V, 60Hz	MTR618	1/21 hp	3 lbs.	1-Quart	15 lbs.	16" x 12" x 10"	\$335.50
2572TM	220V, 50Hz	MTR552	1/21 hp	3 lbs.	1-Quart	15 lbs.	16" x 12" x 10"	\$345.50



20% off

Covington's Double Quart Rolling Tumbler features two solid EVA barrels, a 10-1/2" cast aluminum and steel chassis, and a 1/21 hp motor. Each barrel rests on the steel shafts with the aluminum lids facing out towards the bolts. This unit ships complete with two barrels, a small sample of Old Miser, instructions, and product guarantee.

Double Quart Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
258TUM	110V, 60Hz	MTR618	1/21 hp	6 lbs.	1-Quart	19 lbs.	16" x 12" x 10"	\$415.00
2582TM	220V, 50Hz	MTR552	1/21 hp	6 lbs.	1-Quart	19 lbs.	16" x 12" x 10"	\$425.00



20% off

Covington's Triple Quart Rolling Tumbler features three solid EVA barrels, a 17" cast aluminum and steel chassis, and a 1/21 hp motor. Each barrel rests on the steel shafts with the aluminum lids facing out towards the bolts. This unit ships complete with three barrels, a small sample of Old Miser, instructions, and product guarantee.

Triple Quart Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
259TUM	110V, 60Hz	MTR618	1/21 hp	9 lbs.	1-Quart	22 lbs.	23" x 14" x 10"	\$475.00
2592TM	220V, 50Hz	MTR552	1/21 hp	9 lbs.	1-Quart	22 lbs.	23" x 14" x 10"	\$485.00





SPECIALTY TUMBLERS

FEATURES

- ✓ Powder coated for durability and rust resistance
- ✓ Runs quietly

- ✓ Heavy duty construction
- ✓ Hexagonal Barrel Shape
- ✓ 220V, 50Hz available for international orders

SPECIALTY TUMBLERS

DELUXE TUMBLER



20% off

The Covington Deluxe Tumbler features a unique 3-way tumbling action that quickly tumbles material. The chassis is constructed of powder coated cast aluminum and the barrel is polyvinyl. Although the barrel capacity is 9 pounds water weight, this unit can easily accommodate up to twenty pounds of steel shot for burnishing jewelry. A Covington exclusive, the hexagonal barrel aids in abrasion by: 1.) Tumbling in the bottom corner of the barrel with criss-cross and side-to-side action, 2.) Forcing the pieces to change position six times per revolution, and 3.) Moving a portion of the pieces gently up and down while rotating. The slanted barrel allows easy access for checking progress and a hand can easily fit inside the barrel's mouth. This unit is ideal for tumbling gold and silver castings, glass, and gemstones. The tumbler comes complete with barrel, a sample of Old Miser, instructions and product guarantee.

Deluxe Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
250TUM	110V, 60Hz	MTR618	1/21 hp	9 lbs.	3/4-Gallon	20 lbs.	23" x 14" x 10"	\$445.00
2502TM	220V, 50Hz	MTR552	1/21 hp	9 lbs.	3/4-Gallon	20 lbs.	23" x 14" x 10"	\$455.00

40-LB. PRODUCTION TUMBLER



20% off

The 40-lb. Production Tumbler is a commercial-sized unit designed for extended heavy use. A 1/3 hp motor drives the unit at approximately 19 barrel rotations per minute. The tumbler barrel turns on dual-driven, rubber covered roller shafts in an enclosed, powder coated frame preventing it from falling off the support rods. The hexagonal barrel shape ensures an effective tumbling motion; this shape allows the media to change positions as it rotates and prevents the media from sliding down the side of the barrel. This unit ships complete with a barrel, a sample of Old Miser, instructions, and product guarantee. ***Please note that the barrel ships in a separate box.**

40-lb. Production Tumbler								
Model #	Motor	Motor #	Motor Size	Capacity	Barrel Size	Weight	Dimensions	Price
268TUM	110V, 60Hz	MTR534	1/3 hp	40 lbs.	40-lb.	57 lbs.	25" x 25" x 16"	\$925.00
2682TM	220V, 50Hz	MTRH81	1/3 hp	40 lbs.	40-lb.	57 lbs.	25" x 25" x 16"	\$975.00
BAR268	-	-	-	40 lbs.	40-lb.	27 lbs.	16" x 16" x 16"	\$420.00

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REPLACEMENT BARRELS



REPLACEMENT BARRELS

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Quart Barrel

Order #	Barrel Size	Capacity	Price
BAR257	6" x 4"	3 lbs.	\$65.00



1/2 Gallon Barrel

Order #	Barrel Size	Capacity	Price
BAR254	6" x 7-1/4"	6 lbs.	\$75.00

20% off



1 Gallon Barrel

Order #	Barrel Size	Capacity	Price
BAR251	6" x 11-1/2"	12 lbs.	\$85.00



Deluxe Tumbler Barrel

Order #	Barrel Size	Capacity	Price
BAR250	3/4-Gallon	9 lbs.	\$165.00



40-lb. Production Barrel

Order #	Barrel Size	Capacity	Price
BAR268	40-lb.	40 lbs.	\$420.00



Production Tumbler Liner & Head Gasket

Order #	Description	Price
TBL268	Liner	\$224.00
BHG268	Head Gasket	\$30.00





REPLACEMENT ACCESSORIES

FEATURES

- ✓ Replacement accessories for all Covington tumblers

- ✓ Pulleys, Wear Washers, V-Belts & More!
- ✓ Order only what you need to repair your unit!



Driven Pulley

Order #	Unit	Price
PUL300	Rolling Tumblers	\$8.50
PUL350	Deluxe 250	\$8.75



Motor Pulley

Order #	Unit	Price
PUL459	All 1/21hp Units	\$6.50
PUL098	1/6 hp only	\$5.25



V-Belts

Order #	Unit	Price
MVB180	1/21hp Rolling Tumblers	\$6.50
MVB220	1/6hp Units	\$8.50
MVB200	Deluxe 250	\$6.50



Nylon Bearings

Order #	Unit	Price
DNB012	Rolling Tumblers	\$1.50
DNB038	Deluxe 250	\$1.50



Wear Washers

Order #	Unit	Price
FWW912	Rolling Tumblers	\$0.35
FWW734	Deluxe 250	\$0.35

TUMBLER REPAIR KITS

- ✓ V-belt, fiber wear washers, and nylon bearings
- ✓ Pulley NOT included
- ✓ Perfect for repairing a used rolling tumbler unit



250 Deluxe Tumbler Repair Kit

Order #	Weight	Price
TRK250	1 lb.	\$13.50



1/6 hp Tumbler Repair Kit

Order #	Weight	Price
TRK116	1 lb.	\$13.25



1/21 hp Tumbler Repair Kit

Order #	Weight	Price
TRK121	1 lb.	\$9.25

TUMBLER REPLACEMENT PARTS

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BEGINNER TUMBLERS



FEATURES

- ✓ Excellent choice for beginners

- ✓ Durable
- ✓ Affordable

LORTONE

Lortone's small tumblers are a great choice for those just getting started or for tumbling small items. Units are designed for years of trouble-free service and is U.L. listed for safety. Each tumbler has a molded rubber barrel with sure-seal closure.



Lortone Single Tumbler			
Order #	Dimensions	Weight	Price
LOR3AT	7" x 17" x 5"	5 lbs.	\$89.00



Lortone Double Tumbler			
Order #	Dimensions	Weight	Price
LOR33B	10" x 17" x 8"	7 lbs.	\$132.00



Lortone Tumbler Drive Belts			
Order #	Tumbler	Weight	Price
LOR3AV	3A	0.5 lbs.	\$1.85
LOR3BV	33B	0.5 lbs.	\$2.25



Extra Barrel			
Order #	Dimensions	Weight	Price
TRBL3A	8" x 5" x 5"	3 lbs.	\$30.75

RAYTECH

The Raytech TV-5 tumbler is an excellent vibrating tumbler. The motion of the tumbler speeds up the tumbling process which can cut tumbling time down. This unit is ideal for tumbling small castings or stones. It holds up to 4 pounds of material or 25 ring castings with media. This unit features an 8" diameter bowl with lid.



Raytech TV-5 Tumbler			
Order #	Dimensions	Weight	Price
CTV500	12" x 12" x 15"	10 lbs.	\$115.00



Extra TV-5 Bowl			
Order #	Dimensions	Weight	Price
TRBL3A	8" x 8" x 6"	4 lbs.	\$25.00

BEGINNER TUMBLERS

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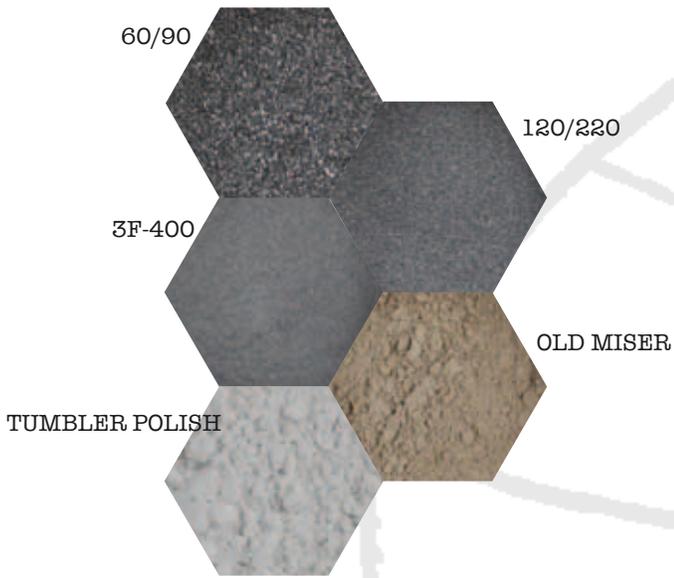




STARTER KITS

I'M NEW TO TUMBLING... WHERE SHOULD I BEGIN? Covington sells a variety of tumbler kits for a range of tumbling needs. Covington recommends these kits to novice and veteran tumblers as they contain almost everything needed to do a complete tumbling cycle in your unit. Each kit is slightly different but the essentials are the same. They all include three grinding compounds and a minimum of one polishing compound. Some kits include plastic pellets for use with the polishing compound to cushion and reduce the likelihood of fractures when polishing in a tumbler.

SO WHY SHOULD I BUY A STARTER KIT? Starter Kits run at a slightly discounted rate by comparison to purchasing each item individually. They also include tried and true compounds that are likely to result in a beautiful finished piece.



Starter Grit & Polish Kit (Includes 1-lb. 60/90g, 12-oz. 120/220g, 12-oz. 3-F/400g, 6-oz. Old Miser, & 6-oz. Covington Tumbler Polish)

Starter Grit & Polish Kit		
Order #	Weight	Price
SGPK01	6 lbs.	\$19.25



Tumbler Grit & Polish Kit (Includes 1-lb. 60/90g, 1-lb. 120/220g, 1-lb. 3-F/400g, 12-oz. Old Miser, 1-lb. Covington Tumbler Polish & 1-lb. of Plastic Pellets)

Tumbler Grit & Polish Kit		
Order #	Weight	Price
TGPO01	6 lbs.	\$25.25



Deluxe Tumbler Grit & Polish Kit (Includes 1-lb. 60/90g, 1-lb. 120/220g, 1-lb. 3-F/400g, 12-oz. Old Miser, 1-lb. Covington Tumbler Polish, 1-lb. Plastic Pellets, & 1-lb. Covington Gold Polish #1)

Deluxe Tumbler Grit & Polish Kit		
Order #	Weight	Price
DTGP01	8 lbs.	\$29.95



This sampling of stones was tumbled in a **Covington Deluxe Tumbler** using a 5 step tumbling process featuring the **Deluxe Tumbler Grit & Polish Kit**. See page 14 for the Deluxe Tumbler.



CHOOSING AND USING A COVINGTON SPHERE MACHINE

SPHERE MACHINES

Covington's Sphere Machines are heavy-duty units designed for grinding and shaping stone or glass spheres. Available in three sizes, these units will make spheres as small as marbles or as big as approximately 8 inches. The three-headed sphere machine is designed to cut from three sides and allows for slightly larger spheres to be cut than the standard two-headed unit. Both units are built with 1"-8 National Thread and come with a set of Cast Iron, machined cutter cups. These cups are designed for use with silicon carbide grit and water. You can special request $\frac{3}{4}$ " National Pipe Thread for your units. These are compatible with all of the Diamond Cutter Cups. The Small Sphere Machine makes small, marble-sized spheres. This is a labor intensive unit designed specifically for shaping precious materials such as gemstones or restoring old marbles. For making multiple bead size spheres at a time, see Covington's Bead Mill. The Bead Mill, much like the Small Sphere Machine, makes small marble sized spheres using a weighted milling head and tank. The Bead Mill is only designed for use with hard stones. Stones that are a 5 on the Mohs scale or less will be crushed in this unit. We do not recommend using the Bead Mill for shaping precious materials because of the aggressive nature of the unit.

CHOOSING YOUR SPHERE MACHINE

The first thing to consider before choosing a sphere machine is what size spheres do I intend to make? If you are wanting to make spheres larger than 1" in size then the large sphere machine or three headed sphere machine is the way to go. If you intend on making smaller pieces consider the material. If it is a precious material you might consider the more time consuming Small Sphere Machine. If time is a factor and you need to make several small beads at a time you might consider the faster, more aggressive, Bead Mill.

ACCESSORIES

When considering buying a sphere machine, you also need to consider what accessories are necessary for using the machine. Standard Covington Sphere Machines are designed for use with Cast Iron Cutter Cups and Silicon Carbide Abrasive. We typically recommend purchasing Old Miser binding compound along with your silicon carbide abrasives because it helps the grit stick to the sphere and promotes the grinding process. Silicon Carbide is typically available in coarse, medium, and fine grades and we usually suggest beginning with a 60/90 grade for the initial grinds. From that point you can typically move through a 120/220, 400, and 600 grades to prepare your sphere for polishing. At this point it is important to again consider the type of material you are working with. By consulting the Polishing Compound Chart in the back of the book you can decide which polishing compound will work best for your stone or glass. A good, low cost polish to begin with is the Covington Tumbler Polish. This polish is good for approximately 50% of stones. If this does not polish your stone you can move up to a higher grade polish such as Covington Gold Polish #1 or #2. These are inexpensive polishes that will polish most stones. If these are still not polishing your pieces, consult the polishing guide in the back of the catalog and choose a polish such as Cerium Oxide, Tin Oxide, Chrome Oxide, Linde 'A' Polish, et cetera based on your stone and needs. For the polishing stage, users will typically cover the clean cast iron cutter cups with a leather disc and attach using a wire wrap or some other form of sturdy material. The polish and leather combined with water and the motion of the unit will polish the stone.

It is important to remember that Sphere Machines need to be watched. Should the grit slurry or the polishing compound dry out the motion becomes ineffective and can ruin the piece. Always keep the sphere in a slurry state, it may be handy to keep a small spray bottle close at hand to watch and spray as needed. It is also important to keep fresh grit handy. Use your ears to listen for a cutting or grinding sound between the cups and the sphere (note: you will not hear a cutting sound during the polishing stages). If you do not hear the cutting sound you may need to add more abrasive grit. Keep a close eye on the machine as it works best for most time effective results.





SPECIALTY SPHERE MACHINES

THREE-HEADED SPHERE MACHINE

SPECIALTY SPHERE MACHINES

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20% off

Covington's Three-Headed Sphere Machine makes spheres ranging from 2-1/2" to 10" in size. This unit is constructed out of heavy steel and main sections are powder coated for protection and rust resistance. The non-powder coated steel ways are greased with white lithium grease to reduce the chances of rust. Each 1/6 hp, heavy-duty gear motor is independently mounted on a swivel base. The 110V, 60Hz model runs at 161rpm and the 220V, 50Hz model runs at 134 rpm. The water supply and grit dispenser sit 36" high and are mounted so the sphere runs constantly with a fresh supply of grit and water. All three heads are spring loaded, work independently from one another, and adjust quickly with large spin handles. Unit comes complete with one (1) grit catch pan, instructions, product guarantee, and choice of one set of three (3) cutter cups. *Please state cup size when ordering. **This unit must ship freight carrier.

Three-Headed Sphere Machine						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
383TSM	110V, 60Hz	MTR383	1/6 hp	255 lbs.	43" x 39" x 21"	\$3,025.00
3832TM	220V, 50Hz	MTR383	1/6 hp	305 lbs.	43" x 39" x 21"	\$3,025.00

20% off BEAD MILL

FEATURES

- ✓ Heavy-gauge, powder coated housing
- ✓ Grinds up to twenty 1/2" beads at a time
- ✓ Limited 220V, 50Hz available for international orders
- ✓ 1/3hp Motor
- ✓ Compact and portable



REPLACEMENT PARTS



Replacement Parts		
Order #	Description	Price
MH1039	Milling Head	\$39.00
BC1039	Extra Chamber	\$145.00

The Bead Mill makes beads from 5/16" to 3/4" in diameter. The 4-1/2" diameter x 1/2" aluminum head has a 3/8" recessed ring in the ceiling which provides a trough for the beads to follow. Milling action is achieved by rotating the chamber while the head controls the beads location. The chamber head removes quickly for easy cleaning. This machine is best suited for producing beads from hard materials such as agate, jasper, and jade. *Please note that the Bead Mill is NOT recommended for gemstone material softer than a 5 on the Mohs Scale as this machine is very aggressive. All units ship complete with instructions and product guarantee.

The #1039 Single Speed Bead Mill runs at a set speed of 380rpm and is available in a 220V, 50Hz model. The #1040 Two-Speed Bead Mill operates at 380rpm and 250rpm. The faster speed is best suited for finishing beads after an initial grind. The slower speed reduces the abrasive action and should be used when milling softer materials such as malachite, rhodochrosite, and turquoise. These materials require light head pressure and finer abrasive grit.

*Please note that there is NOT a 220V, 50Hz model available in two-speed.

Single Speed Bead Mill						
Model #	Description	Motor	Motor Size	Weight	Dimensions	Price
1039BM	Single Speed	110V, 60Hz	1/3 hp	75 lbs.	24" x 12" x 16"	\$650.00
1038BM	Single Speed	220V, 50Hz	1/3 hp	75 lbs.	24" x 12" x 16"	\$690.00
Dual Speed Bead Mill						
1040BM	Dual Speed	110V, 60Hz	1/3 hp	75 lbs.	24" x 12" x 16"	\$775.00





SPHERE MACHINES

FEATURES

- ✓ Automatic grit application
- ✓ Powder coated for durability and rust resistance

- ✓ Spring loaded cutting head
- ✓ Cutting angle adjustment
- ✓ 220V, 50Hz available for international orders

Covington's two headed sphere machines are a tried and true design. The downward slant of the shafts run the sphere in a bath of grit, eliminating the need to constantly dab grit on with a brush, and causing the grit slurry to run away from the bearings. Increase the angle of the cutting cups as the rough corners of the sphere grind off. A spring loaded head makes continuous adjustment unnecessary. All units ship complete with instructions and product guarantee.

SMALL SPHERE MACHINE



20% off

The Small Sphere Machine makes spheres from 1/4" to 1" in size. Dual 1/21 hp motors drive this precision based unit. Unit features a single spring loaded head. Unit comes complete with one (1) grit pan, and one pair of 1/4", 3/8", 5/8", and 7/8" cutter cups. *This unit is perfect for restoring classic marbles to original condition.

Small Sphere Machine						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
382SSM	110V, 60Hz	MTR618	1/21 hp	26 lbs.	23" x 14" x 10"	\$604.95
3822SM	220V, 50Hz	MTR552	1/21 hp	26 lbs.	23" x 14" x 10"	\$654.95

LARGE SPHERE MACHINE



20% off

The Large Sphere Machine makes spheres ranging from 1-1/4" to 9" in size. Each head has an individually mounted 1/3 hp motor. This unit features two spring loaded cutting heads and easy angle adjustment. The bearings are protected by powder coated, sheet metal shields. This unit comes complete with two (2) polishing buffs, two (2) grit pans, and choice of one pair (2) of cutter cups. *Please state cup size when ordering. *Unit ships freight, call today for a quote!

Large Sphere Machine						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
381LSM	110V, 60Hz	MTR917	1/3 hp	250 lbs.	43" x 19" x 43"	\$1,745.00
3812LM	220V, 50Hz	MTRH81	1/3 hp	300 lbs.	43" x 19" x 43"	\$1,795.00

SPHERE MACHINES

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ACCESSORIES

SPHERE MACHINE TOOLS



#PTS381: Set of two (2) shafts convert 1"-8RH thread to 3/4" pipe thread.

Set of 2 Shaft Adapters			
Order #	Dimensions	Weight	Price
PTS381	12" x 4" x 4"	5 lbs.	\$35.00



#PTA383: Set of three (3) adapters convert 1"-8RH thread to 3/4" pipe thread.

Set of 3 Shaft Adapters			
Order	Dimensions	Weight	Price
PTA383	8" x 6" x 4"	4 lbs.	\$52.50



#SMT001: Set of eight (8) templates to pre-mark stones for an easy to follow guide. 1/2" increments from 2" to 5-1/2".

Set of 8 Metal Templates			
Order #	Dimensions	Weight	Price
SMT001	6" x 6" x 1"	4 lbs.	\$16.50



#SAC001: Set of three (3) angle cutters for holding cubed rock from 2-1/2" to 6".

Set of 3 Angle Cutters			
Order #	Dimensions	Weight	Price
SAC001	12" x 4" x 4"	5 lbs.	\$32.95

SMALL SPHERE MACHINE CUTTER CUPS



Small Sphere Machine Cutter Cups are manufactured at the Covington facility.

Small Sphere Machine Cutter Cups			
Order #	Size	Weight	Price/Pair
SSM001	1/4"	1 lb.	\$5.00
SSM002	3/8"	1 lb.	\$5.50
SSM003	5/8"	1 lb.	\$6.00
SSM004	7/8"	1 lb.	\$6.50
SSMSET	Set of 2 ea.	1 lb.	\$20.50

CAST IRON CUTTER CUPS



Covington's Cast Iron Cutter Cups are designed to provide maximum grinding surface contact while allowing for imperfections in the preformed spheres. The soft cast iron material allows the grit to embed itself in the cutter cup, promoting a faster grind. These high quality cups are preferred and used by many lapidary and glass artists. Available in 1"-8 National Coarse thread and in 3/4" National Pipe Thread.

Cast Iron Cutter Cups			
Pair			
Order #	Size	Weight	Price/Pair
LSM201	1"	3 lbs.	\$22.00
LSM202	1-3/8"	4 lbs.	\$27.00
LSM203	2-3/8"	5 lbs.	\$33.00
LSM204	3-3/8"	9 lbs.	\$45.00
LSM205	4-3/8"	12 lbs.	\$54.00
Set of 3			
Order #	Size	Weight	Price/3
LSM301	1"	4 lbs.	\$33.00
LSM302	1-3/8"	5 lbs.	\$40.50
LSM303	2-3/8"	9 lbs.	\$49.50
LSM304	3-3/8"	13 lbs.	\$76.50
LSM305	4-3/8"	16 lbs.	\$81.00

Available in Coarse or Fine Thread

SPHERE MACHINE ACCESSORIES

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SPHERE MACHINE ACCESSORIES

SINTERED DIAMOND CUTTER CUPS



The 4" Diamond Cutter Cups grind faster than conventional silicon carbide cutter cups. The Sintered Diamond Cutter Cups, manufactured in house, are aggressive without being harsh and accommodate spheres from 3-3/4" to 6-1/2".



Coarse, Red 40/50 Sintered Cups		
Order #	Weight	Price
DC4405	3 lbs.	\$125.00



Medium, Green 100/120 Sintered Cups		
Order #	Weight	Price
DC4112	3 lbs.	\$125.00



Fine, Yellow 180/200 Sintered Cups		
Order #	Weight	Price
DC4182	3 lbs.	\$125.00

RESIN DIAMOND CUTTER CUPS

The Resin Bonded Diamond Cutter Cups provide better control and grind quickly. These are designed for finishing spheres. All cutter cups come with 3/4" National Pipe Thread; not available in 1"-8RH National Coarse Thread.



Coarse, Black 100g Resin Cups		
Order #	Weight	Price
DC4100	2 lbs.	\$60.00



Medium, Purple 220g Resin Cups		
Order #	Weight	Price
DC4220	2 lbs.	\$60.00



Medium/Fine, Brown 325g Resin Cups		
Order #	Weight	Price
DC4325	2 lbs.	\$60.00



Fine, Red 600g Resin Cups		
Order #	Weight	Price
DC4600	2 lbs.	\$60.00



Extra Fine, Blue 1200g Resin Cups		
Order #	Weight	Price
DC4120	2 lbs.	\$60.00

SPHERE MACHINE ACCESSORIES

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CHOOSING AND USING A COVINGTON SAW

Covington manufactures a wide range of saws for a variety of purposes and applications. All of our large slab saws are constructed of a heavy duty steel frame and heavy gauge steel, powder coated tank and hood. In 2015 Covington enhanced the slab saw design to improve square on the units which allows the hoods to fit each saw better. From 6" trim saws to 36" slab saws; we have a saw to fit your needs. When choosing a saw, the first thing to consider is sample size. Ask yourself "How big are the pieces I want to cut?" Once you have your answer to this question, you can determine which size saw you need. See the chart below to help you decide. Please keep in mind that many people tend to wish they could cut larger later down the road so a little more money for a larger saw might be the more economical long-term choice.

Rock Diameter	Blade Diameter
Up to 2"	6" to 8"
Up to 3"	10"
3" to 4"	12"
3" to 5"	14"
3" to 6"	16"
3" to 7"	18"
3" to 8"	20"
3" to 10"	24"
3" to 12"	30"
3" to 15"	36"

SAW SIZE CHART

This chart determines the saw size required to cut rough rock. These recommendations are made to allow the most efficient cutting while offering the longest blade life. Larger rocks than those specified can be cut, but the surface area of the blade will receive greater wear.

GLASS VS. STONE

Covington saws will cut both glass and stone. It is important to know what kind of material you will be cutting when choosing a saw. We offer a variety of trim saws with blades designed specifically for cutting glass. A simple blade and rpm change can turn one of our lapidary saws into a saw designed to cut glass. Glass can be cut using only water. By contrast, a better coolant is necessary to cut stones. Anything that is harder than a 5 on the Mohs scale requires a better lubricant to reduce the heat factor on the blade and on the stone. Rockhound Oil is an excellent general-purpose oil for cutting stones of any hardness. This is a food grade mineral oil with two additives, one raises the flashpoint and the other virtually removes the smell. This is our number one selling rock cutting oil.

LET'S TALK BLADES

Once you have decided what type of material you are going to cut, it is important to choose a saw blade to suit your need. Covington carries a large selection of blades designed for a variety of purposes.

GOLD BLADES: This is a high quality brand of general purpose blades. These notched rim blades cut a wide selection of materials. If you don't know what kind of material you will be cutting, this is an excellent starting point. The Gold Blades are economically priced with fair results.

PLATINUM 303 BLADES: As the name suggests, these are a superior brand of blade featuring a sintered rim. The 4" through 14" sizes are continuous rim while the 16" and larger are segmented rim. The segmented rim allows for better washout of the rock particles when cutting. This brand comes standard on Covington's three largest slab saws.

PLATINUM 301 BLADES: This is Covington's best lapidary blade. Featuring a special sintered rim design that allows superior washout, the 301 blades truly give a superior cut and are worth the additional cost. These blades are only available in sizes 6" through 20" and comes standard on Covington's smaller slab saws (sizes 12" - 20").

ULTIMATE GLASS BLADES: The ultimate glass blade features a unique technology for cutting glass. Covington's very own glass blade brand, the Ultimate blade gives resin blade quality cuts while using a sturdier metal matrix. The matrix is the perfect density for cutting glass while leaving an excellent, mild grind ready finish. This blade is the perfect choice for any glass cutting needs. This blade will blow away any competitor brand glass blades.

It is important to remember to dress your blades regularly and even frequently. It is necessary to reexpose the diamond on the blade otherwise the blade and saw will not cut. Dressing your blade is a simple technique using the gray 220g silicon carbide block or white 220g aluminum oxide stick you receive with your saw. Simply turn on the saw and slice off the very thinnest amount you can on the side of the stone while still covering both edges of the saw blade. Repeat as many times as necessary to deglaze and reexpose the diamond. You can test this by turning the saw OFF and rubbing the edge of a finger nail down the face of the blade. If the blade is smooth then you need to continue dressing. If it is rough then you may resume cutting.

OIL CHART

Covington saws are "Immersion Type" wherein the diamond blade runs in a reservoir of cooling fluid. The Koolerant mix should stand up 1/4" to 3/8" on the bottom of the blade. Please Note: For 1100 Series Saws, the tank dimensions are the same for all three. The larger blades reach lower in the tank and therefore need less Koolerant. That being said, it is always smart to order a little extra oil so as to have some on hand when it is time to clean the old oil. The formula for determining the amount of fluid needed is stated as follows in inches, Length x Width x Depth / 231 (cubic inches per gallon). See the following chart for the approximate amount of fluid needed to fill a tank to the proper level. This chart is to be used as a guideline.

Trim Saws		1100 Series Combo Saws		700 Series Slab Saws		Slab Saws	
Saw Size	Amount	Saw Size	Amount	Saw Size	Amount	Saw Size	Amount
6"	1 quart	12"	6-1/2 gallon	18"	5-1/2 gallon	30"	22 gallon
8"	1/2 gallon	14"	4-1/2 gallon	20"	7-1/2 gallon	36"	23-1/4 gallon
10"	1/2 gallon	16"	2-1/4 gallon	24"	9-1/2 gallon	-	-

Fluid amounts are approximations and will vary depending blade and saw



6" TRIM SAWS



6" TRIM SAW

FEATURES

- ✓ 6" x 1/2" Covington Gold blade
- ✓ Solid cast aluminum tank, blade guard, and trim table
- ✓ Powder coated for rust resistance and durability

- ✓ Runs quietly
- ✓ Accepts 6" x 1/2" grinding stone
- ✓ Shielded bearings, double sealed and greased for life
- ✓ 220V, 50Hz available for international orders

Covington's 6" Trim Saw units are compact, versatile units that trim and grind small work pieces. The 6" blade will trim up to two inch pieces. This unit utilizes the "immersion style" form of cutting wherein the blade dips below the liquid line and draws the liquid up with the blade. A drain plug is situated on the side of the tank for easy removal of sump and cleaning. An easy to remove nut and flange allows a quick change between the saw blade and grinding wheel. Each unit features a 1/2" arbor shaft mounted in two sealed ball bearings. A solid aluminum table top fits neatly into the tank and makes hand trimming easy.

6" FACETER'S SAW & GRINDER



20% off

The 6" Faceter's Saw and Grinder is a "build-your-own" style machine designed to cut and grind small work pieces. This unit mounts either a 6" diamond blade or a 6" x 1/2" grinding wheel. An adjustable guard fits both the grinding wheel and the blade. The blade and wheel are easy to change. This unit requires a 1/4hp or 1/3hp motor. *Please note that the motor, grinding wheel, and saw blade are sold separately.

6" Faceter's Saw & Grinder			
Order #	Weight	Dimensions	Price
FGS496	12 lbs.	16" x 12" x 10"	\$266.00

6" TRIM SAW



20% off

Covington's 6" Mounted Trim Saw ships complete mounted on a Lam-I-Cushion base with a 1/3hp motor with switch cord, instructions, and product guarantee. Trim Saw Vise is sold separately.

6" Trim Saw						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
497FSM	110V, 60Hz	MTR534	1/3 hp	40 lbs.	24" x 12" x 10"	\$499.95
4972FM	220V, 50Hz	MTRH81	1/3 hp	40 lbs.	24" x 12" x 10"	\$541.95

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10" TRIM SAWS

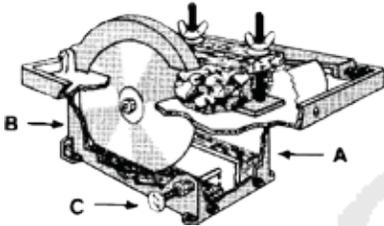
FEATURES

- ✓ 10" x 5/8" gold blade
- ✓ Front shield to protect user from cutting waste
- ✓ 1/3 hp motor mounted on tank casting
- ✓ Cross feed permits 3-1/2" of material to be slabbed without reclamping

- ✓ Bulldog vise grip holds all rock shapes and swings away for hand trimming
- ✓ Hold down hook runs under tabletop to prevent jamming
- ✓ Heavy duty cast aluminum construction
- ✓ 220V, 50Hz available for international orders

10" TRIM SAWS

KOOLERANT KONTROL



Covington's 10" Trim Saws cut rocks, minerals, and glass. Ball bearing arbor assembly has grit slinger to protect precision bearings. Trim saws feature Covington's unique "Koolerant Kontrol" valve which virtually eliminates splash. Valve "C" adjusts the flow from reservoir "A" into blade compartment "B" to maintain proper coolant levels. Excess coolant from cutting area returns to the reservoir. Twin drains allow easy cleaning of sump. All units ship assembled with motor, aluminum topped Lam-I-Cushion base, operating instructions, and product guarantee.

20% off



Power Feed Model Pictured

Covington's 10" Trim Saws are available in three selections. The weight feed model accessories include nylon cord and scale to determine weight on vise feed. All units ship assembled with motor, Covington's signature rustproof base, operating instructions, and product guarantee. Covington's "Complete" unit includes power feed, and hood. The hood ships separately.

10" Trim Saw Weight Feed Model

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
1510WF	110V, 60Hz	MTR534	1/3 hp	60 lbs.	28" x 18" x 15"	\$920.00
15102W	220V, 50Hz	MTRH81	1/3 hp	60 lbs.	28" x 18" x 15"	\$970.00

10" Trim Saw Power Feed Model

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
1510PF	110V, 60Hz	MTR534	1/3 hp	60 lbs.	28" x 18" x 15"	\$1,120.00
15102P	220V, 50Hz	MTRH81	1/3 hp	60 lbs.	28" x 18" x 15"	\$1,170.00

10" Trim Saw Complete With Power Feed & Hood

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
1510TS	110V, 60Hz	MTR534	1/3 hp	60 lbs.	28" x 18" x 15"	\$1,220.00
15102S	220V, 50Hz	MTRH81	1/3 hp	60 lbs.	28" x 18" x 15"	\$1,250.00

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GLASS TRIM SAWS



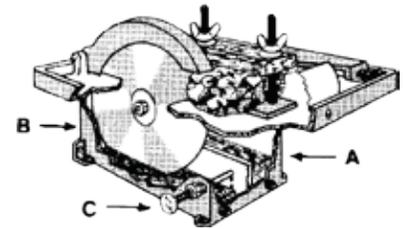
FEATURES

- ✓ 1/3hp motor mounted directly on back of solid aluminum tank casting
- ✓ Neoprene sealed ball bearings, greased for life
- ✓ Powder coated for durability
- ✓ Runs quietly

- ✓ Adjustable blade guard
- ✓ Choice of blade: Covington's Platinum Resin Glass Blade or Covington's New Ultimate Glass Blade
- ✓ 220V, 50Hz available for international orders

The 10" Glass Trim Saws produce smooth clean cuts with minimal chipping and a prolonged blade life. Open table space permits ample room for free trimming. All glass trim saws feature Covington's unique "Koolerant Kontrol" valve which virtually eliminates splash. Valve "C" adjusts the flow from reservoir "A" into blade compartment "B" to maintain proper coolant levels. Excess coolant from cutting area returns to the reservoir. Twin drains permit quick cleaning of sump. All units ship fully assembled with a diamond blade, aluminum topped Lam-I-Cushion base, 1/3hp motor, Koolerant Kontrol valve, an aluminum oxide dressing stick, operating instructions, and product guarantee.

KOOLERANT KONTROL



THE ULTIMATE GLASS SAW



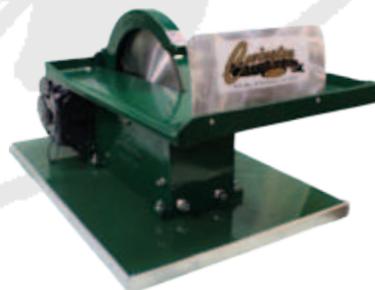
20% off

The Ultimate Glass Saw ships complete with Covington's newest Ultimate Glass blade.

10" Glass Trim Saw w/ Ultimate Glass Blade

Model #	Blade #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5110TS	CUB010	110V, 60Hz	MTR534	1/3 hp	56 lbs.	28" x 18" x 15"	\$860.00
51102S	CUB010	220V, 50Hz	MTRH81	1/3 hp	56 lbs.	28" x 18" x 15"	\$910.00

PLATINUM RESIN GLASS TRIM SAW



The Platinum Resin Glass Trim Saw ships complete with a Platinum Resin Glass blade. Caution: This blade is extremely fragile.

10" Glass Trim Saw w/ Platinum Resin Glass Blade

Model #	Blade #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5115TS	CP5010	110V, 60Hz	MTR534	1/3 hp	56 lbs.	28" x 18" x 15"	\$990.00
51152S	CP5010	220V, 50Hz	MTRH81	1/3 hp	56 lbs.	28" x 18" x 15"	\$1,040.00

Caution: Platinum Resin Glass Blade is extremely fragile!

GLASS TRIM SAWS

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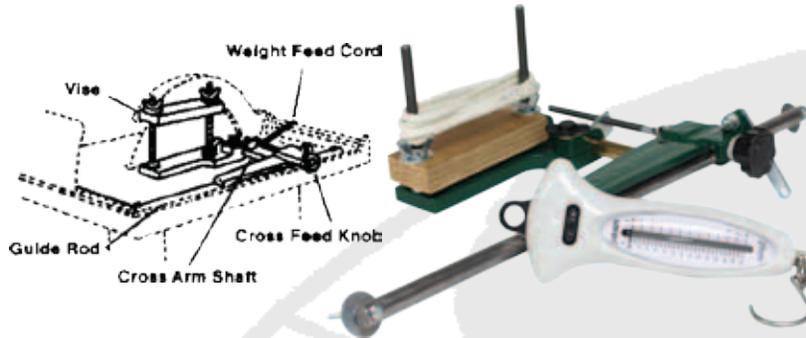
TRIM SAW VISE & CROSS FEED KIT

FEATURES

- ✓ 3-1/2" of cross feed adjustment
- ✓ Powder coated aluminum castings

- ✓ Vise jaws hold up to 3-1/2" piece
- ✓ Build-your-own style unit
- ✓ Customizable to suit your needs

TRIM SAW KIT



The Trim Saw Vise and Cross Feed are designed to slab small work samples. The vise jaws hold up to a 3-1/2" rock and grip the work piece without blocks or shims. The cross feed adjusts 3-1/2" before repositioning the stone in the vise. The end of the cross arm shaft has a "no bind" roller bearing and hook which ensures a smooth feed and prevents rocks from "riding up" the blade. This kit comes complete with a vise assembly, cross arm shaft, cross feed, knob, weight feed cord, and scales.

Trim Saw Vise & Cross Feed Kit			
Order #	Weight	Dimensions	Price
TSV159	6 lbs.	16" x 12" x 10"	\$160.00

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RHODOCHROSITE SLAB

This Rhodochrosite slab was cut on a Covington Slab Saw. This 1/4" slab was cut from a 4" rock using the 16" Covington Combination Slab Saw (1172CS). It was then ground and polished on a Flat Lap Unit.
Read about our flat laps on page 42.



TRIM SAW ACCESSORIES

PLEXIGLAS™ HOOD



Covington's Trim Saw Hood fits inside the 10" trim saw table edge and sets into place, no drill holes required. The clear Plexiglas™ design makes viewing and trimming easy. Roomy hand holes on each side provide ample room for free cutting movement. This hood reduces splash and minimizes misting. Now available: fully enclosed hood without hand holes.



Plexiglas™ Trimming Hoods			
Order #	Weight	Dimensions	Price
TSH164	8 lbs.	20" x 14" x 12"	\$105.00
TSH165	8 lbs.	20" x 14" x 12"	\$105.00

*TSH164 is designed for use with Trim Saw 1510TS
*TSH165 is designed for use with all Glass Trim Saws

Plexiglas™ Hood (No Holes)			
Order #	Weight	Dimensions	Price
TSH166	8 lbs.	20" x 14" x 12"	\$105.00

*TSH166 can be used with any Covington 10" Trim Saw Powerfeed Model

TRIM SAW VISE



The Trim Saw Vise is designed to work on the model #494, #495, #496, & #497. The vise opens up to 1-5/8" and firmly grips rock.

Trim Saw Vise			
Order #	Weight	Dimensions	Price
TSV695	2 lbs.	8" x 6" x 4"	\$39.95

REPLACEMENT SAW ARBOR



CAR14L (For 1500 Series Trim Saws)		
Order #	Weight	Price
CAR14L	3 lbs.	\$49.90

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18LHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1/8"
 Flange Size - 2"

TRIM SAW ACCESSORIES

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COMBINATION SLAB SAWS

FEATURES

- ✓ Platinum 301 blade
- ✓ 1/2hp motor, ships separately
- ✓ Sawmill type carriage glides on steel ways
- ✓ 4" cross feed adjusts 1/16" per turn for uniform slabbing
- ✓ Light enough to be moved easily
- ✓ Heavy duty enough for everyday use
- ✓ Easily converts between slab saw and trim saw with drop in table
- ✓ Rigid grip vise: steel jaw tongue contacts full length of vise, holding jaw square so it can't bind
- ✓ 220V, 50Hz available for international orders

Covington's 1100 Series Trim and Slab Saws are fully enclosed, welded 16 gauge steel tank. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood is riveted to a steel hinge and fits neatly into the tank. A peek window opens for quick-view access to check slabbing progress. Units are available in both weight feed and power feed models.



20% off

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Weight Feed Table Top Model							
Model #	Motor	Description	#2 Vise	Blade	Dimensions	Weight	Price
1132WF	110V, 60Hz	12" Saw	5"	CP3112	37" x 26" x 26"	140 lbs.	\$1,995.00
11322W	220V, 50Hz	12" Saw	5"	CP3112	37" x 26" x 26"	140 lbs.	\$2,035.00
1152WF	110V, 60Hz	14" Saw	6"	CP3114	37" x 26" x 26"	140 lbs.	\$2,075.00
11522W	220V, 50Hz	14" Saw	6"	CP3114	37" x 26" x 26"	140 lbs.	\$2,115.00
1172WF	110V, 60Hz	16" Saw	7"	CP3116	37" x 26" x 26"	140 lbs.	\$2,160.00
11722W	220V, 50Hz	16" Saw	7"	CP3116	37" x 26" x 26"	140 lbs.	\$2,200.00
MTR199	Both	1/2 hp	-	-	16" x 9" x 9"	28 lbs.	Included

Power Feed Table Top Model							
Model #	Motor	Description	#2 Vise	Blade	Dimensions	Weight	Price
1132PF	110V, 60Hz	12" Saw	5"	CP3112	37" x 26" x 26"	160 lbs.	\$2,250.00
11322P	220V, 50Hz	12" Saw	5"	CP3112	37" x 26" x 26"	160 lbs.	\$2,300.00
1152PF	110V, 60Hz	14" Saw	6"	CP3114	37" x 26" x 26"	160 lbs.	\$2,350.00
11522P	220V, 50Hz	14" Saw	6"	CP3114	37" x 26" x 26"	160 lbs.	\$2,400.00
1172PF	110V, 60Hz	16" Saw	7"	CP3116	37" x 26" x 26"	160 lbs.	\$2,450.00
11722P	220V, 50Hz	16" Saw	7"	CP3116	37" x 26" x 26"	160 lbs.	\$2,500.00
MTR199	Both	1/2 hp	-	-	16" x 9" x 9"	28 lbs.	Included



COMBINATION SLAB SAWS



FEATURES

- ✓ Platinum 301 blade
- ✓ 1/2hp motor, ships separately
- ✓ Sawmill type carriage glides on steel ways
- ✓ 4" cross feed adjusts 1/16" per turn for uniform slabbing
- ✓ Light enough to be moved easily

- ✓ Heavy duty enough for everyday use
- ✓ Easily converts between slab saw and trim saw with drop in table
- ✓ Rigid grip vise: steel jaw tongue contacts full length of vise, holding jaw square so it can't bind
- ✓ 220V, 50Hz available for international orders

Covington's 1100 Series Trim and Slab Saws are fully enclosed, welded 16 gauge steel tank. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood is riveted to a steel hinge and fits neatly into the tank. A peek window opens for quick-view access to check slabbing process. Complete units ship with power feed option and a leg stand for leveling the saw.



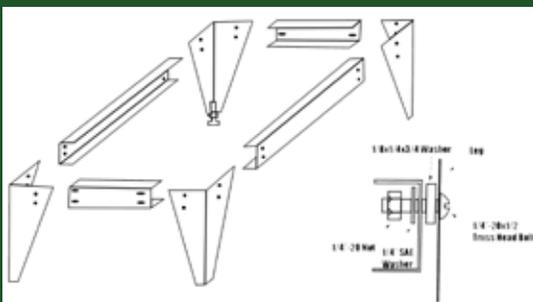
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Complete Model With Power Feed and Leg Stand							
Model #	Motor	Size	#2 Vise	Blade	Dimensions	Weight	Price
1132CS	110V, 60Hz	12"	5"	CP3112	37" x 26" x 26"	160 lbs.	\$2,375.00
11322S	220V, 50Hz	12"	5"	CP3112	37" x 26" x 26"	160 lbs.	\$2,425.00
1152CS	110V, 60Hz	14"	6"	CP3114	37" x 26" x 26"	160 lbs.	\$2,475.00
11522S	220V, 50Hz	14"	6"	CP3114	37" x 26" x 26"	160 lbs.	\$2,525.00
1172CS	110V, 60Hz	16"	7"	CP3116	37" x 26" x 26"	160 lbs.	\$2,575.00
11722S	220V, 50Hz	16"	7"	CP3116	37" x 26" x 26"	160 lbs.	\$2,625.00
MTR199	Both	1/2 hp	-	-	16" x 9" x 9"	28 lbs.	Included

COMBINATION SLAB SAWS

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COMBO SAW LEG STAND



Covington's 1100 Series Leg Stand is designed specifically for use with our 1100 series saws. Purchase with a complete unit and save!

Trim Saw Leg Stand			
Order #	Weight	Dimensions	Price
SLS184	27 lbs.	36" x 15" x 5"	\$185.00





HEAVY DUTY SLAB SAWS

FEATURES

- ✓ Platinum series blade
- ✓ Powder coated, heavy welded, steel chassis
- ✓ Separately welded frame eliminates warp
- ✓ Six speed power feed with automatic shut off
- ✓ Quick return system allows carriage to be manually returned to any position
- ✓ Heavy duty, neoprene sealed ball bearings, greased for life
- ✓ Completely assembled with vise, motor, and Covington's best diamond blade

- ✓ Over-running clutch automatically adjusts from soft to hard rock
- ✓ Cross feed permits 8" of material to be slabbed without reclamping
- ✓ One piece arbor and flange mounted in housing
- ✓ One piece vise carriage mounted on a solid key stock with channel guide provides rigidity and strength for fast cuts with heavy loads
- ✓ 220V, 50Hz available for international orders

Covington's Slab Saws are heavy duty floor models designed to cut glass and stones. This is an immersion style saw meaning the cutting fluid sits inside the tank and the spinning blade will bring the cutting fluid up and around to the piece. Covington powder coats the saw tank, hood, and chassis for durability and longevity. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood fits neatly inside the tank eliminating leaks. The hood can be propped open with a sturdy, steel prop arm for easy loading and unloading of pieces.

18" SLAB SAW



20% off

18" Heavy Duty Slab Saw

Model #	Motor	Motor #	Motor Size	#2 Vise	Blade	Weight	Dimensions	Price
703HDS	110V, 60Hz	MTR.199	1/2 hp	9"	CP3118	325 lbs.	42" x 39" x 49"	\$4,975.00
7032HS	220V, 50Hz	MTR.199	1/2 hp	9"	CP3118	375 lbs.	42" x 39" x 49"	\$5,175.00

20" SLAB SAW



20" Heavy Duty Slab Saw

Model #	Motor	Motor #	Motor Size	#2 Vise	Blade	Weight	Dimensions	Price
707HDS	110V, 60Hz	MTR.376	3/4 hp	10"	CP3120	345 lbs.	46" x 39" x 49"	\$5,375.00
7072HS	220V, 50Hz	MTR.376	3/4 hp	10"	CP3120	395 lbs.	46" x 39" x 49"	\$5,575.00

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24" HEAVY DUTY SLAB SAWS



FEATURES

- ✓ Platinum series blade
- ✓ Powder coated, heavy welded, steel chassis
- ✓ Separately welded frame eliminates warp
- ✓ Six speed power feed with automatic shut off
- ✓ Quick return system allows carriage to be manually returned to any position
- ✓ Heavy duty, neoprene sealed ball bearings, greased for life
- ✓ Completely assembled with vise, motor, and Covington's best diamond blade

- ✓ Over-running clutch automatically adjusts from soft to hard rock
- ✓ Cross feed permits 8" of material to be slabbed without reclamping
- ✓ One piece arbor and flange mounted in housing
- ✓ One piece vise carriage mounted on a solid key stock with channel guide provides rigidity and strength for fast cuts with heavy loads
- ✓ 220V, 50Hz available for international orders

Covington's Slab Saws are heavy duty floor models designed to cut glass and stones. This is an immersion style saw meaning the cutting fluid sits inside the tank and the spinning blade will bring the cutting fluid up and around to the piece. Covington powder coats the saw tank, hood, and chassis for durability and longevity. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood fits neatly inside the tank eliminating leaks. The hood can be propped open with a sturdy, steel prop arm for easy loading and unloading of pieces. The main difference between the two 24" slab saws is the size of the vise and how much of a load it is able to hold.

24" SLAB SAW



20% off

24" Heavy Duty Slab Saw (Small Vise)

Model #	Motor	Motor #	hp	#2 Vise	Blade	Dimensions	Weight	Price
712HDS	110V, 60Hz	MTR321	1	12"	CP3324	64" x 42" x 58"	395 lbs.	\$6,350.00
712HS	220V, 50Hz	MTR409	2	12"	CP3324	64" x 42" x 58"	675 lbs.	\$6,550.00

24" SLAB SAW



24" Heavy Duty Slab Saw (Large Vise)

Model #	Motor	Motor #	hp	#2 Vise	Blade	Dimensions	Weight	Price
717HDS	110V, 60Hz	MTR321	1	18"	CP3324	64" x 42" x 58"	500 lbs.	\$6,600.00
717HS	220V, 50Hz	MTR409	2	18"	CP3324	64" x 42" x 58"	675 lbs.	\$6,800.00

24" HEAVY DUTY SLAB SAWS

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HEAVY DUTY SLAB SAWS

FEATURES

- ✓ Platinum series blade
- ✓ Powder coated, heavy welded, steel chassis
- ✓ Separately welded frame eliminates warp
- ✓ Six speed power feed with automatic shut off
- ✓ Quick return system allows carriage to be manually returned to any position
- ✓ Heavy duty, neoprene sealed ball bearings, greased for life
- ✓ Completely assembled with vise, motor, and Covington's best diamond blade

- ✓ Over-running clutch automatically adjusts from soft to hard rock
- ✓ Cross feed permits 8" of material to be slabbed without reclamping
- ✓ One piece arbor and flange mounted in housing
- ✓ One piece vise carriage mounted on a solid key stock with channel guide provides rigidity and strength for fast cuts with heavy loads
- ✓ 220V, 50Hz available for international orders

Covington's Slab Saws are heavy duty floor models designed to cut glass and stones. This is an immersion style saw meaning the cutting fluid sits inside the tank and the spinning blade will bring the cutting fluid up and around to the piece. Covington powder coats the saw tank, hood, and chassis for durability and longevity. An x-pattern strengthening rib ensures that the tank unit is square and the hood sits properly. The hood fits neatly inside the tank eliminating leaks. The hood can be propped open with a sturdy, steel prop arm for easy loading and unloading of pieces.

30" SLAB SAW

20% off



30" Heavy Duty Slab Saw

Model #	Motor	Motor #	Motor Size	#2 Vise	Blade	Weight	Dimensions	Price
198HDS	*220V, 60Hz	MTR198	1-1/2 hp	18"	CP3330	675 lbs.	67" x 44" x 60"	\$9,075.00
1982HS	220V, 50Hz	MTR198	2 hp	18"	CP3330	775 lbs.	67" x 44" x 60"	\$9,275.00

*United States model is sold in 220V, 60Hz only

36" SLAB SAW

20% off



36" Heavy Duty Slab Saw

Model #	Motor	Motor #	Motor Size	#2 Vise	Blade	Weight	Dimensions	Price
199HDS	*220V, 60Hz	MTR107	2 hp	26"	CP3336	1,200 lbs.	90" x 48" x 64"	\$13,200.00
1992HS	220V, 50Hz	MTR107	2 hp	26"	CP3336	1,300 lbs.	90" x 48" x 64"	\$13,400.00

*United States model is sold in 220V, 60Hz only



CARRIAGE SLAB SAW KIT



FEATURES

- ✓ Powder coated for rust resistance
- ✓ Build-your-own style unit

- ✓ Power feed assembly
- ✓ Carriage slab saw kits must ship freight carrier. Call for a shipping quote today!



The Carriage Slab Saw Kit is a "build-your-own" style unit that requires the user to construct a tank. This kit comes complete with a saw frame, carriage and vise assembly, arbor, blade guard, rock catcher, and power feed assembly. The carriage assembly ships mounted on the guide ways within the saw frame.

Please note that this unit is sold without a saw tank, motor, or blade.

Carriage Slab Saw Kit								
Order #	Saw	Blade Size	Arbor Size	#2 Vise	Required hp	Dimensions	Weight	Price
SK1100	1172CS	12", 14", 16"	5/8"	7"	1/2	37" x 26" x 15"	50 lbs.	\$1,275.00
SSK703	703HDS	18"	1"	9"	1/2	41" x 39" x 18"	215 lbs.	\$2,325.75
SSK707	707HDS	20"	1"	10"	3/4	43" x 39" x 18"	225 lbs.	\$2,615.75
SSK712	712HDS	24"	1"	12"	1	60" x 39" x 20"	235 lbs.	\$3,025.75
SSK717	717HDS	24"	1"	18"	1	60" x 39" x 20"	240 lbs.	\$3,310.75
SSK198	198HDS	30"	1"	18"	1-1/2	67" x 40" x 20"	360 lbs.	\$3,950.00
SSK199	199HDS	36"	1"	26"	2	89" x 48" x 20"	600 lbs.	\$6,395.00

RIGID GRIP SLAB SAW VISE #2

FEATURES

- ✓ Quick release allows an easy, no-bind return
- ✓ Powder coated for durability

- ✓ Steel jaw tongue holds jaw square
- ✓ For a build-your-own style unit or replacement for old or damaged saw vise



This book-end type vise holds work pieces of any shape tightly, but quick-release feature allows an easy, no-bind return. The steel jaw tongue contacts the full length of the vise, holding the jaw square so it can't bind. The end grips have a hardwood facing. A cross shaft is included with each vise.

Rigid Grip Slab Saw Vise #2			
Order #	Vise Size	Weight	Price
SV1132	5"	20 lbs.	\$289.00
SV1152	6"	22 lbs.	\$299.00
SV1172	7"	24 lbs.	\$309.00
SSV703	9"	35 lbs.	\$475.00
SSV707	10"	40 lbs.	\$495.00
SSV712	12"	45 lbs.	\$575.00
SSV717	18"	55 lbs.	\$595.00
SSV199	26"	75 lbs.	\$990.00

SLAB SAW ACCESSORIES

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ACCESSORIES

BRONZE GEAR



We now manufacture our own aluminum bronze gears for the 700 series slab saws. These gears have proven to be more durable and longer lasting than our previous gear. Upgrade your saw with confidence!

Bronze Gear			
Order #	Dimensions	Weight	Price
CBG187	6" x 6" x 2"	3 lbs.	\$109.00

SPLIT PLIER & SPLIT CLIP



5/16"-24 Split Clip			
Order #	Dimensions	Weight	Price
GSC110	8" x 6" x 4"	1 lbs.	\$19.00

This split clip is designed for use with the 1100 series and 1510 saws. The 3" long spring loaded split clip comes with 5/16"-24 split nut in its jaws.



1/2"-13 Split Plier			
Order #	Dimensions	Weight	Price
CSP700	12" x 4" x 4"	3 lbs.	\$75.00

Bronze split pliers are designed for use with the #2 Vise & Powerfeed 1/2"-13 threaded rod. The 6-1/4" long bronze plier assembly comes with a spring, pivot stud, lock nut and two (2) each fiber washer and metal wear washer.

POWERFEED REPLACEMENT



1510 Power Feed Replacement			
Order #	Dimensions	Weight	Price
CPF150	16" x 12" x 10"	35 lbs.	\$157.50

1510 Powerfeed replacement kit includes powerfeed motor, lead screw with over-running clutch, and cut-off switch.



1100 Series Power Feed Replacement			
Order #	Dimensions	Weight	Price
CPF110	30" x 8" x 10"	35 lbs.	\$210.00

1100 Series Powerfeed Replacement Kit includes powerfeed motor, lead screw with over-running clutch, and cut-off switch.

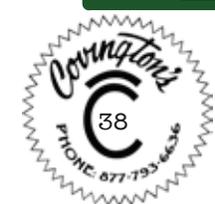


700 Series Power Feed Replacement			
Order #	Dimensions	Weight	Price
CPF700	Varies Per Unit	35 lbs.	\$365.00

700 Series Powerfeed Replacement Kit includes lead screw, aluminum bronze gear, over-running clutch, worm shaft assembly, and 3-step pulley.

SLAB SAW ACCESSORIES

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HEAVY DUTY SLAB SAW DOLLY



SLAB SAW ACCESSORIES

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FEATURES

- ✓ A dolly for any size
- ✓ Two swivel wheels and two stationary wheels

- ✓ Order a dolly with your saw and they will ship together in the same crate and save on shipping costs



Slab Saw Dollies are designed for easy movement of saw. They come with two locking swivel wheels and two stationary wheels for easy saw manipulation.

Order #	Dolly For	Slab Saw Dolly Dimensions	Weight	Price
CSD110	1100 Series	37" x 26" x 8"	25 lbs.	\$145.00
CSD703	703HDS	41" x 39" x 10"	45 lbs.	\$170.00
CSD707	707HDS	43" x 39" x 10"	55 lbs.	\$175.00
CSD717	712HDS & 717HDS	60" x 39" x 10"	75 lbs.	\$200.00
CSD198	198HDS	67" x 40" x 10"	100 lbs.	\$220.00
CSD199	199HDS	89" x 48" x 20"	140 lbs.	\$275.00

REPLACEMENT ARBORS



CAR14R (For 1100 Series Combo Saws)		
Order #	Weight	Price
CAR14R	3 lbs.	\$49.90

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18RHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1/8"
 Flange Size - 2"

CAR15R (For 700 Series Slab Saws)		
Order #	Weight	Price
CAR15R	14 lbs.	\$197.40

Features:
 Shaft Diameter & Thread Flange End - 1"-14RHT
 Shaft Diameter & Length, Pulley End - 1" x 1-1/2" & 3/4" x 1-1/4"
 Overall Length - 11-1/2"
 Mounting Hole Spacing - 3-1/2" x 3-1/4"
 Mounting Hole Diameter - 3/8"
 Maximum Space Between Flanges - 1/4"
 Flange Size - 3"



CHOOSING AND USING A COVINGTON COMBINATION UNIT

Combination units are typically used for trimming, grinding, smoothing, and polishing stones. Traditionally these units come with a trim saw, two or more grinding wheels, a smoothing wheel, and a polishing station. Covington's five station units have withstood the test of time and we firmly stand behind our product quality and durability. Each of our combination units is constructed of heavy duty aluminum castings accompanied by heavy gauge steel accessories.

DOES SIZE MATTER?

The main difference between Covington's two standard combination units is size. The 6" Combo is compact and portable whereas the 8" Combo is large and heavy. The 6" unit features a 6" trim saw, 6" grinding wheels, and a 6" polishing head. The unit requires about 2 square feet of table space. The 8" unit features a 10" trim saw with powerfeed, 8" grinding wheels, and an 8" polishing head. The unit is approximately 50" long and 18" deep. The advantage to the larger unit is it has the capability to cut and grind larger pieces. The larger wheels also have more surface area and therefore will last longer. The 8" unit also features more space in between wheels.

TRIMMING: The 6" unit features a 6" trim saw that is attached directly to the main shaft. This means that the saw is always running when the unit is running. The 8" unit features a separate trim saw with its own motor. The saw and wheels run separate from each other. 6" Combo units come with a small slab vise to hold pieces for trimming and small slabbing. This little vise requires the user to reclamp the piece for each cut. The saw on the 8" unit features a slabbing mechanism which allows for multiple cuts before reclamping is required. This saw also comes with a powerfeed to automatically cut the pieces without needing a complicated weight and scale system.

GRINDING

Both the 6" and 8" units come with the same grinding wheel set up. Whether you choose the silicon carbide system or the diamond, the grits remain consistent across units. Units come with one 100g wheel, one 220g wheel, and one soft wheel with 400g sand paper. The 100g wheel is designed to do all of your coarse grinding and shaping. The 220g wheel is designed to remove the coarse wheel scratches and prepare the pieces for the 400g smoothing step. The 400g wheel is soft and designed for removing the 220g scratches and preparing the piece for a final polish. A simple way to see if you are ready to move from one step to the next is to take a sharpie marker and cover the whole face of the piece in marker. Grind on your next step. If there are any marks left from the sharpie you need to keep grinding. Grind until all the sharpie marker is gone. Once the sharpie is gone you are ready to move on to your next step. You can cover the face in sharpie marker again to make sure you grind the whole surface.

SILICON CARBIDE: Although this system is still slightly cheaper than the diamond, Silicon Carbide is more messy. Silicon Carbide is a 9 on the Mohs scale and is an old school substance used for grinding stones. Replacement wheels are slightly less expensive.

DIAMOND: Diamond is slightly more expensive than silicon carbide but long term customers tend to be happier with Diamond wheels. They are cleaner to use and easier to work with. Diamond wheels have come down tremendously in cost and are now only slightly more than silicon carbide wheels.

POLISHING

There are several techniques for polishing stones. Two of the most common are discussed below.

DIAMOND COMPOUND: Polishing with diamond compound paste is still a popular form of polishing stones. The technique involves spreading paste onto either a polishing plate or a leather disc. You need to have a dedicated disc for each mesh of compound so as not to contaminate the finer compounds with coarser pieces of diamond. Simply squirt some compound out of the syringe and onto the disc. Use diamond extender fluid to spread the diamond across the face of the disc. You will also want to keep the extender fluid handy as it will act as your coolant. Reapply to the stone and the leather as necessary to reduce the heat on the stone.

CERIUM OXIDE: Cerium Oxide is a great general purpose polish. It is typically used in combination with leather in lapidary applications. For the first application of Cerium to leather, simply create a small container of cerium paste in a bowl and paint it onto the spinning leather head. The greatest amount of cerium will be used on the first application. Additional applications can be made using a heavy duty spray bottle and cerium. We like to use 3 parts water to one part cerium in a spray bottle, shake it very well, and apply to the disc. This tends to be the most cost effective choice for polishing stones.





6" COMBO UNITS

FEATURES

- ✓ Heavy duty cast aluminum construction
- ✓ Runs quietly
- ✓ 6" Trim saw vise
- ✓ Powder coated for durability

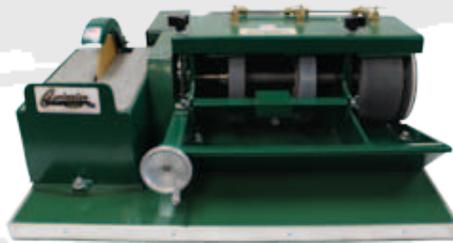
- ✓ Variable Speed
- ✓ Stainless steel shaft
- ✓ 1/3 hp motor
- ✓ 24" x 22" Footprint
- ✓ 220V, 50Hz available for international orders

Combination units are a great tool for cutting, trimming, grinding, shaping, and polishing small stones. The six inch saw allows for pieces to be cut and trimmed up to approximately two inches in size. A trim saw vise is included with this unit to make trimming easy. The vise will hold small stones firmly in place while cutting. The blade and wheels are mounted on a stainless steel shaft to resist rust. Sealed ball bearings are mounted in rubber for quiet and smooth operation. Powder coated hood, belt guard, and tanks provide long lasting surface protection for each unit. A spin handle on the front of the unit allows for continuous speed adjustment from 800rpm to 1725rpm. The hood removes easily for inspection, wheel change, and cleaning. The complete unit is mounted firmly to Covington's signature rustproof base. All units ship complete with a 6" Covington Gold blade, 6" x 5/8"-18RH aluminum head with leather disc attached, 1/3hp motor, slab vise, water valves, drains, expandable drum with 400g sanding belt, sample kit (#1 Koolerant, polish powder, brush, dop sticks, and wax), instructions and product guarantee. Each unit ships ready to plug in and operate.

6" COMBINATION UNITS

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SILICON CARBIDE

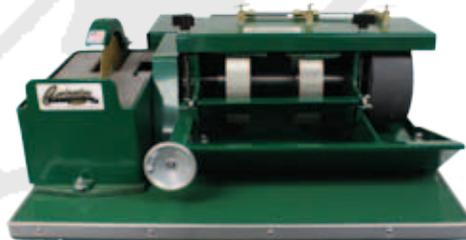


20% off

The silicon carbide unit is a lower cost option that comes complete with (2) 6" x 1" silicon carbide grinding wheels (100g & 220g).

6" Silicon Carbide Combination Unit						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
494SCU	110V, 60Hz	MTR534	1/3 hp	76 lbs.	25" x 25" x 14"	\$1,295.00
4942SC	220V, 50Hz	MTRH81	1/3 hp	76 lbs.	25" x 25" x 14"	\$1,337.00

DIAMOND



The diamond unit comes complete with two (2) 6" x 1-1/2" metal bonded diamond grinding wheels (100g & 220g), one (1) 2-1/2" x 18-15/16" diamond sanding belt (1200g), five (5) 2-1/2" x 18-15/16" silicon carbide sanding belts (400g), 5-gram syringe of 50,000 mesh diamond compound, 2-ounce bottle of extender fluid, and a book about using diamond abrasives.

6" Diamond Combination Unit						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
495DCU	110V, 60Hz	MTR534	1/3 hp	76 lbs.	25" x 25" x 14"	\$1,445.00
4952DC	220V, 50Hz	MTRH81	1/3 hp	76 lbs.	25" x 25" x 14"	\$1,487.00





8" DELUXE COMBINATION UNIT

SILICON CARBIDE WITH 10" TRIM SAW & DIAMOND BLADE

FEATURES

- ✓ Five work stations with adjustable cab and wheel rest
- ✓ Runs quietly
- ✓ Two heavy duty 1/3hp drive motors, one for the saw and one for the grinder
- ✓ Must ship freight carrier

- ✓ Levermatic speed control with 8 rpm changes
- ✓ Powder coated for rust resistance and durability
- ✓ Comes standard with power feed on saw
- ✓ 220V, 50Hz available for international orders

CABINET STAND



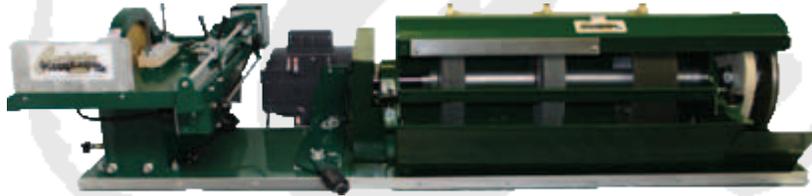
Small Cabinet Stand

Order #	Weight	Dimensions	Price
SCS467	50 lbs.	37" x 26" x 16"	\$149.95

Enjoy the convenience of finishing gemstone material on one machine with Covington's 8" Deluxe Combination Unit. Two motors drive the 10" trim saw and grinding station separately. All units ship complete with a levermatic speed control, two grinding wheels (100g & 220g), one (1) 8" lever lock drum with silicon carbide sand cloth (400g), one (1) 8" muslin buff, one (1) 8" x 1"-14RH aluminum head with leather disc attached, sample kit (#1 Koolerant, polish powder, brush, dop sticks, and wax), instructions, and product guarantee. A 1/3hp motor drives the saw and a 1/2hp high-torque motor drives the grinding unit. The hood removes easily for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for a pressure system. Spray nozzles under the hood wet the entire wheel face. The 10" trim saw features a Covington Gold Series diamond blade. This unit ships fully assembled and mounted on Covington's signature rustproof, Lam-I-Cushion base.

Cabinet stand is sold and shipped separately.

SILICON CARBIDE



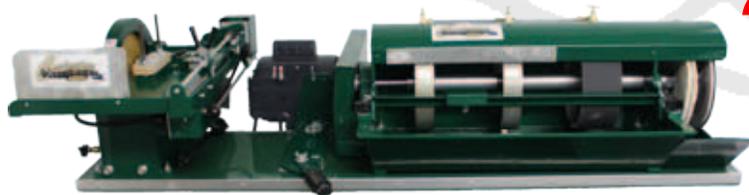
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The #446 8" Deluxe Silicon Carbide Unit is an economical option that comes complete with two (2) 8" x 1-1/2" silicon carbide grinding wheels (100g & 220g).

8" Deluxe Silicon Carbide Combination Unit

Model #	Motor	Motor-1 #	Motor-2 #	Motor Sizes	Weight	Dimensions	Price
446DSC	110V, 60Hz	MTR534	MTR199	1/3hp & 1/2hp	160 lbs.	55" x 27" x 17"	\$2,350.00
4462SC	220V, 50Hz	MTRH81	MTR199	1/3hp & 1/2hp	160 lbs.	55" x 27" x 17"	\$2,435.00

DIAMOND



20% off

The #447 8" Deluxe Diamond Unit comes complete with two (2) 8" x 1-1/2" metal bonded diamond grinding wheels (100g & 220g), 5-gram syringe of 50,000 mesh diamond compound, 2-ounce bottle of extender fluid, and a book about using diamond abrasives.

8" Deluxe Diamond Combination Unit

Model #	Motor	Motor-1 #	Motor-2 #	Motor Sizes	Weight	Dimensions	Price
447DDC	110V, 60Hz	MTR534	MTR199	1/3hp & 1/2hp	160 lbs.	55" x 27" x 17"	\$2,550.00
4472DC	220V, 50Hz	MTRH81	MTR199	1/3hp & 1/2hp	160 lbs.	55" x 27" x 17"	\$2,635.00

8" DELUXE COMBINATION UNIT

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HORIZONTAL COMBO UNITS



HORIZONTAL COMBINATION UNITS

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FEATURES

- ✓ Heavy duty cast aluminum chassis
- ✓ Runs quietly
- ✓ Interchangeable grinding and polishing heads
- ✓ 3" Cross feed

- ✓ Portable and easy to store
- ✓ Drip can water supply
- ✓ 1/3 hp motor
- ✓ Neoprene sealed, precision ball bearings
- ✓ 220V, 50Hz available for international orders
- ✓ Motor ships separately

Covington's Horizontal Combination units are designed for trimming, grinding, shaping, and polishing small work pieces all in one portable and compact station. Each unit comes equipped with a 100g silicon carbide grinding wheel, two aluminum grinding heads one mounted with a 220g silicon carbide disc and the other with a leather polishing disc, a Covington Gold blade, 3-3/4" rock vise, drip can water system, weight feed cord and scale, a sample kit (#1 Koolerant, polish powder, brush, dop sticks, and wax), carry handle, instructions, and product guarantee.

Motors Ship Separately		
Order #	Dimensions	Weight
MTR534	16" x 12" x 10"	19 lbs.
MTRH81	16" x 12" x 10"	19 lbs.

8" HORIZONTAL COMBO



20% off

The #690 8" Horizontal Combination Unit includes an 8" Gold blade, 8" aluminum head with leather disc attached, 8" aluminum head with 220g silicon carbide sand disc attached, and an 8" x 5/8" silicon carbide wheel in 100g. Some assembly required prior to use. Ships in two boxes.

8" Horizontal Combination Unit						
Model #	Motor	Motor #	Motor Size	Dimensions	Dimensions	Price
690HCU	110V, 60Hz	MTR534	1/3 hp	30 lbs.	23" x 14" x 10"	\$825.00
6902HC	220V, 50Hz	MTRH81	1/3 hp	30 lbs.	23" x 14" x 10"	\$875.00

10" HORIZONTAL COMBO



The #691 10" Horizontal Combination Unit includes a 10" Gold blade, 10" aluminum head with leather disc attached, 10" aluminum head with 220g silicon carbide sand disc attached, and a 10" x 3/4" silicon carbide wheel in 100g. Some assembly required prior to use. Ships in two boxes.

10" Horizontal Combination Unit						
Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
691HCU	110V, 60Hz	MTR534	1/3 hp	23" x 14" x 10"	30 lbs.	\$899.00
6912HC	220V, 50Hz	MTRH81	1/3 hp	23" x 14" x 10"	30 lbs.	\$949.00



CHOOSING AND USING A FLAT LAP

Covington manufactures a wide variety of flat laps suitable for working either glass or stone. Ranging from small, table-top models, to large floor models, we have a unit to suit every need. Consider these questions before purchasing a unit: How big are the pieces I'll be working? How much room do I have in my shop? What type of material will I be working on this unit? Et cetera. Once you have answered these questions you can begin to shop for the right machine to suit your needs.

OPTIONS

MAXI LAPS: Covington's Maxi Lap units come in a variety of styles to suit the needs of both glass and stone workers. These units are available in 8" and 10" sizes and feature a full lap face for grinding. This unit is small and perfect for a table-top or workbench. The unit fits neatly into an 18" x 24" area. The motor mounts directly to the back of the unit and a simple pump and bucket system can provide water to the work face. The aluminum grinding heads screw onto and off of the arbor shaft. There are six different systems available with this unit which ensures a fit for most small lapping needs.

BEVELER/GRINDER UNITS: Covington's Beveler & Grinder Units are professional grade machines designed to grind and polish glass and stones quickly and cleanly. These units feature a blanchard ground, mild steel plate to accept magnetic backed diamond discs. These units are available in 12", 18", and 24", with single speed and variable speed options.

Why should I spend more on a variable speed when a single speed could satisfy my needs for far less money? There are many advantages to the variable speed unit, not the least of which is the ability to slow down the plate speed for polishing which minimizes polish waste. The plate is reversible which allows the user to spin the plate in either direction based on preference. Many consumers also believe that by having a bi-directional plate, you can get a longer life on your diamond discs because you can hit the diamonds from both directions.

"My house won't accept three-phase, so I can't use your machine." The variable speed units are marketed as three-phase but you do not need three-phase power in your house to work the unit. The controller we use converts the three phase motor which gives the unit constant torque and horsepower at all speeds. These units can still be used on standard household current. The variable speed unit can also now be used on a GFCI plug.

16" SINGLE SPEED AND TWO SPEED FLAT LAPS: These traditional style units utilize loose grit and a steel plate to lap your pieces flat. You create a grit slurry on the lapping plate and grind your piece directly on the plate's surface. These units tend to be more messy than the diamond units because of the loose grit slurry on the plate surface. These units spin too slow for diamond discs to work so that is never an option.

ACCESSORIES

Covington Maxi Laps and Beveler/Grinder Units utilize diamond grinding discs for the most efficient grind and polish. The Diamond Maxi Laps come complete with your first set of diamond discs required for grinding and the additional discs needed for polishing. The Beveler/Grinders do not come with a set of discs as there are a variety of options available and different types of work pieces might require additional steps. We can confidently recommend a four step disc system for people who wish to grind and cold polish glass. It is important to remember that discs are consumables and must be purchased in addition to the unit. We are happy to provide a complete quotation and make recommendations on discs upon request. Our standard four disc grinding system includes one 100g diamond dot lap, one 260g diamond dot lap, one 325g resin bond diamond disc, and one synthetic felt polishing pad. You will need cerium oxide polishing compound if you will be polishing glass. There are other polishing compounds available if you will be polishing other types of work pieces such as stone.

The Beveler/Grinder units accept a variety of accessories such as diamond cones and domes. These items are great for grinding and shaping inside curves. People particularly like them for working the inside edge of glass bottles. The accessories do not come with the male-to-male brass adapter needed to attach them to the plate's center.

WATER HOOK UP

Covington's Flat Lap units accept 1/4" plastic tubing for their water hook up. We usually recommend using a submersible pump and bucket system for fresh water supply to the unit. We also recommend having the refuse water drain into a second bucket separate from the fresh water input; this eliminates the chance of cross-contamination from dirty water. Covington's water pump is an inexpensive choice for connecting water to the unit. This pump features a quick press-to-connect brass adapter to connect the 1/4" tubing to the pump. The Maxi Laps and the Beveler/Grinders also feature a press-to-connect on their water manifold making water hook up very simple. The pump is submersible which means you simply place it into a bucket of water to begin pumping.

The only units that do not accept this type of water system are the 16" Single Speed and Two Speed Flat Laps. These units come with a small cannister to hold water and slowly drip the water onto the plate. Having a constant flow of water from a pump would wash all of the loose grit and slurry off of the plate eliminating the ability to grind.



GLASS MAXI LAP



HORIZONTAL GLASS MAXI LAPS

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FEATURES

- ✓ Heavy duty cast aluminum tank
- ✓ Unobstructed access to work area
- ✓ Three quick-change aluminum heads
- ✓ Runs quietly at 1410 rpm
- ✓ Perfect for grinding glass!

- ✓ No arbor hole grinding heads
- ✓ Water manifold and pump included!
- ✓ 1/3hp motor ships separately
- ✓ Compact, portable, and economical
- ✓ 220V, 50Hz available for international orders

Covington's Glass Maxi Laps are an economical choice for grinding small glass pieces. They come standard with three (3) 8" x 1/2"-20RH thread quick-change aluminum heads. Discs are attached to each hard rubber head face using a "Stick-N-Peel" adhesive commonly known as Feathering Disc Adhesive. Each unit also ships complete with a water manifold, 10' of 1/4" tubing, a pump, instructions, and product guarantee.

Motors Ship Separately		
Order #	Dimensions	Weight
MTR534	16" x 12" x 10"	19 lbs.
MTRH81	16" x 12" x 10"	19 lbs.

STANDARD MAXI LAP



20% off

The #5070 8" Standard Maxi Lap comes with Covington's fast cutting silicon carbide abrasive system. The standard kit includes: two (2) 8" x no arbor hole silicon carbide sanding discs (100g & 400g), and one (1) 8" x no arbor hole 1/8" thick felt polishing disc.

8" Standard Maxi Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5070ML	110V, 60Hz	MTR534	1/3 hp	24 lbs.	23" x 14" x 10"	\$849.95
50702M	220V, 50Hz	MTRH81	1/3 hp	24 lbs.	23" x 14" x 10"	\$891.95

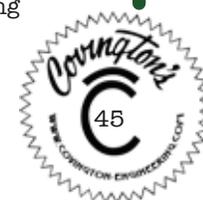
STANDARD DIAMOND MAXI LAP



20% off

The #5071 8" Standard Diamond Maxi Lap comes with Covington's faster cutting diamond abrasive system. This kit includes: two (2) 8" x no arbor hole resin bonded diamond sanding discs (220g & 1200g), a book about using diamond abrasives, and one (1) 8" x no arbor hole 1/8" thick felt polishing disc.

8" Standard Diamond Maxi Lap						
Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
5071ML	110V, 60Hz	MTR534	1/3 hp	23" x 14" x 10"	27 lbs.	\$949.95
50712M	220V, 50Hz	MTRH81	1/3 hp	23" x 14" x 10"	27 lbs.	\$991.95





SUPER GLASS MAXI LAP

FEATURES

- ✓ Heavy duty cast aluminum tank
- ✓ Unobstructed access to work area
- ✓ Three quick-change aluminum heads
- ✓ Runs quietly at 1410 rpm
- ✓ Perfect for grinding glass!

- ✓ No arbor hole grinding heads
- ✓ Water manifold assembly and pump
- ✓ 1/3hp motor ships separately
- ✓ Compact, portable, and economical
- ✓ 220V, 50Hz available for international orders

Covington's Super Glass Maxi Laps are the perfect choice for grinding small glass pieces. They come standard with three 1/2"-20RH thread quick-change aluminum heads. Discs are attached to each hard rubber head face using a "Stick-N-Peel" adhesive commonly known as Feathering Disc Adhesive. All Glass Maxi Laps feature Covington's fastest cutting diamond abrasive system which consists of three perforated metal bond diamond cutting discs (coarse, medium, and fine). These discs affix to the head utilizing a magnetic holder. Switching discs is simple, just lift one off and position the next. Each unit also ships complete with a water manifold, 10' of 1/4" tubing, a pump, a book about using diamond abrasives, a cork pre-polishing disc, 1 lb. of 2-F Pumice, a felt polishing disc, instructions, and product guarantee.

Motors Ship Separately		
Order #	Dimensions	Weight
MTR534	16" x 12" x 10"	19 lbs.
MTRH81	16" x 12" x 10"	19 lbs.

8" SUPER DIAMOND GLASS MAXI LAP



20% off

The #5072 8" Super Diamond Maxi Lap comes with Covington's 8" fastest cutting diamond abrasive system.

8" Super Diamond Maxi Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5072ML	110V, 60Hz	MTR534	1/3 hp	27 lbs.	23" x 14" x 10"	\$1,275.00
50722M	220V, 50Hz	MTRH81	1/3 hp	27 lbs.	23" x 14" x 10"	\$1,317.00

10" SUPER DIAMOND GLASS MAXI LAP



20% off

The #5073 10" Super Diamond Maxi Lap comes with Covington's 10" fastest cutting diamond abrasive system.

10" Super Diamond Maxi Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5073ML	110V, 60Hz	MTR534	1/3 hp	32 lbs.	23" x 14" x 10"	\$1,575.00
50732M	220V, 50Hz	MTRH81	1/3 hp	32 lbs.	23" x 14" x 10"	\$1,617.00

SUPER GLASS MAXI LAPS

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LAPIDARY MAXI LAP



LAPIDARY MAXI LAPS

FEATURES

- ✓ Heavy duty cast aluminum tank
- ✓ Unobstructed access to work area
- ✓ Three quick-change aluminum heads
- ✓ Runs quietly at 1410 rpm
- ✓ Perfect for grinding stones!

- ✓ No arbor hole grinding heads
- ✓ Water manifold assembly and pump
- ✓ 1/3hp motor ships separately
- ✓ Compact, portable, and economical
- ✓ 220V, 50Hz available for international orders

Covington's Lapidary Maxi Laps are the perfect choice for grinding small lapidary pieces. They come standard with three 1/2"-20RH thread quick-change aluminum heads. Discs are attached to each soft rubber head face using a "Stick-N-Peel" adhesive commonly known as Feathering Disc Adhesive. All Lapidary Maxi Laps feature Covington's fastest cutting diamond abrasive system which consists of three perforated metal bond diamond cutting discs (coarse, medium, and fine). These discs affix to the head utilizing a magnetic holder. Switching discs is simple, just lift one off and position the next. Each unit also ships complete with a water manifold, 10' of 1/4" tubing, a pump, a book about using diamond abrasives, a 1200g resin diamond disc, a leather polishing disc, instructions, and product guarantee.

Motors Ship Separately		
Order #	Dimensions	Weight
MTR534	16" x 12" x 10"	19 lbs.
MTRH81	16" x 12" x 10"	19 lbs.

8" SUPER DIAMOND LAPIDARY MAXI LAP



20% off

The #5075 8" Super Diamond Lapidary Maxi Lap comes with the 8" fastest cutting diamond abrasive system.

8" Super Diamond Lapidary Maxi Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5075ML	110V, 60Hz	MTR534	1/3 hp	27 lbs.	23" x 14" x 10"	\$1,275.00
50752M	220V, 50Hz	MTRH81	1/3 hp	27 lbs.	23" x 14" x 10"	\$1,317.00

10" SUPER DIAMOND LAPIDARY MAXI LAP

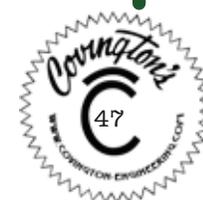


20% off

The #5076 10" Super Diamond Lapidary Maxi Lap comes with the 10" fastest cutting diamond abrasive system.

10" Super Diamond Lapidary Maxi Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5076ML	110V, 60Hz	MTR534	1/3 hp	32 lbs.	23" x 14" x 10"	\$1,575.00
50762M	220V, 50Hz	MTRH81	1/3 hp	32 lbs.	23" x 14" x 10"	\$1,617.00

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JBC.com





12" HORIZONTAL BEVELER & GRINDER

FEATURES

- ✓ Water supply feeds through shaft center and dual overhead loc-line®
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ Now works with household GFCI!

- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Unit must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

The 12" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blanchet and precision ground 12" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

VARIABLE SPEED



20% off

The Variable Speed unit features a 1 hp, 3 phase, wash down motor and speed controller which allow speed ranges from 200rpm to 1100rpm. A wash-down motor and controller are perfect for wet environments.

HORIZONTAL BEVELER & GRINDER

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12" Variable Speed Horizontal Beveler/Grinder

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5045HG	110V, 60Hz	MTRW01	1 hp	185 lbs.	25" x 25" x 27"	\$2,895.00
50452G	220V, 50Hz	MTRW01	1 hp	185 lbs.	25" x 25" x 27"	\$2,895.00

12" HORIZONTAL BEVELER & GRINDER



HORIZONTAL BEVELER & GRINDER
 ENDORSED BY KENT LANEK

FEATURES

- ✓ Dual overhead loc-line® water supply
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ 1" stainless steel shaft with welded flange

- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

The 12" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blancher and precision ground 12" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

SINGLE SPEED



20% off

The 12" Single Speed units feature a 3/4hp motor that runs at 1080rpm.

12" Single Speed 1080rpm Beveler/Grinder (No Center Water Feed)

Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
5047HG	110V, 60Hz	MTR34F	3/4 hp	25" x 25" x 27"	170 lbs.	\$1,995.00
50472G	220V, 50Hz	MTR34F	3/4 hp	25" x 25" x 27"	170 lbs.	\$2,037.00

12" Single Speed 1080rpm Beveler/Grinder w/ Center Water Feed

Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
5047WG	110V, 60Hz	MTR34F	3/4 hp	25" x 25" x 27"	170 lbs.	\$2,295.00
50472W	220V, 50Hz	MTR34F	3/4 hp	25" x 25" x 27"	170 lbs.	\$2,337.00

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18" HORIZONTAL BEVELER & GRINDER

FEATURES

- ✓ Water supply feeds through shaft center and dual overhead loc-line®
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ Now works with household GFCI!

- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

The 18" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small to medium work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blanch and precision ground 18" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

VARIABLE SPEED



20% off

The 18" Variable Speed unit features a 1hp, 3 phase, wash down motor and speed controller allow speed ranges from 200rpm to 1100rpm. A wash-down motor and controller are perfect for wet environments.

18" Variable Speed Beveler/Grinder

Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
5065HG	110V, 60Hz	MTRW15	1-1/2 hp	32" x 34" x 48"	355 lbs.	\$3,900.00
50652G	220V, 50Hz	MTRW15	1-1/2 hp	32" x 34" x 48"	355 lbs.	\$3,900.00

HORIZONTAL BEVELER & GRINDER

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18" HORIZONTAL BEVELER & GRINDER



FEATURES

- ✓ Water supply feeds through shaft center and dual overhead loc-line®
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush

- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

ENDORSED BY KENT LANEK
HORIZONTAL BEVELER & GRINDER

The 18" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish small to medium work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blancher and precision ground 18" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

SINGLE SPEED

20% off



The 18" Single Speed Grinder/Beveler includes a 3/4hp, 800rpm motor with water resistant switch cord.

18" Single Speed Beveler/Grinder						
Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
5066HG	110V, 60Hz	MTRW34	3/4 hp	32" x 34" x 48"	350 lbs.	\$3,195.00
50662G	220V, 50Hz	MTRW34	3/4 hp	32" x 34" x 48"	350 lbs.	\$3,395.00

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24" HORIZONTAL BEVELER & GRINDER

FEATURES

- ✓ Water supply feeds through shaft center and dual overhead loc-line®
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush
- ✓ Now works with household GFCI!

- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

The 24" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish up to large work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blancher and precision ground 24" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

VARIABLE SPEED

20% off



Covington's Variable Speed unit features a 1-1/2hp, 3 phase, wash down motor and speed controller allowing speed ranges from 200rpm to 1100rpm. The wash-down motor and controller are perfect for wet environments.

24" Variable Speed Beveler/Grinder

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5060HG	110V, 60Hz	MTRW15	1-1/2 hp	425 lbs.	35" x 35" x 45"	\$5,000.00
50602G	220V, 50Hz	MTRW15	1-1/2 hp	425 lbs.	35" x 35" x 45"	\$5,200.00

HORIZONTAL BEVELER & GRINDER

ENDORSED BY KENT LAKER

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JBFC.com



24" HORIZONTAL BEVELER & GRINDER



FEATURES

- ✓ Water supply feeds through shaft center and dual overhead loc-line®
- ✓ Aluminum water manifold controls fluid flow
- ✓ Heavy welded steel chassis
- ✓ Stainless steel splash guard and brush

- ✓ 1" stainless steel shaft with welded flange
- ✓ Heavy duty ball bearings
- ✓ Shaft will accept 5/8"-11RH male accessories (adapter not included)
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders and 220V, 60Hz available for domestic orders

ENDORSED BY KENT LANEK

HORIZONTAL BEVELER & GRINDER

The 24" Beveler/Grinder is a versatile unit designed to cold-work pieces of glass. With the appropriate accessories this unit will grind, shape, and polish up to large work pieces. Flat diamond discs are the cleanest, fastest way to make glass bevels. A 1" brass centering pin aligns magnet easily. The brush and removable stainless steel splashguard allow larger pieces to be worked while keeping water splash to a minimum. There are several features built into these units including a water sleeve that allows water to come up through the shaft center and disperse from the middle of the plate, and an overhead loc-line® water supply. It also has a 5/8"-11RH female thread that accepts a variety of different diamond finishing tools. An optional male-to-male brass fitting for female threads is also available. The bearings are set 11" apart on the shaft to give rigidity and stability to the blancher and precision ground 24" plate. This unit is made with 11-gauge box tubing and 18-gauge removable side panels topped with heavy-duty powder coatings. The side panels are easy to remove making maintenance and lubrication simple.

SINGLE SPEED



20% off

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Covington's 24" Single Speed unit features a 1-1/2hp motor with water resistant switch and a plate speed of 600rpm.

24" Single Speed Beveler/Grinder						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5061HG	110V, 60Hz	MTRW21	1-1/2 hp	425 lbs.	35" x 35" x 45"	\$4,100.00
50612G	220V, 50Hz	MTRW21	1-1/2 hp	425 lbs.	35" x 35" x 45"	\$4,300.00





BEVELER & GRINDER ACCESSORIES

ACCESSORIES

HORIZONTAL BEVELER & GRINDER

ENDORSED BY KENT LAVER



Brass Plug

Order #	Weight	Price
CBA044	1 lb.	\$45.00



Brass Centering Pin w/ Water Hole

Order #	Weight	Price
CBA046	1 lb.	\$45.00



Male-to-Male Brass Adapter

Order #	Weight	Price
CBA045	1 lb.	\$50.00



Spanner Wrench

Order #	Weight	Price
CBA047	2 lbs.	\$40.00

12" BEVELER/GRINDER STAND

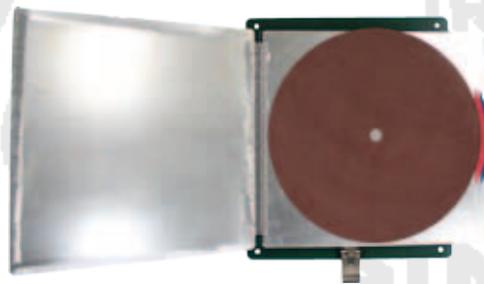


The 12" Beveler/Grinder Stand is perfect for turning your 12" unit into a standing floor model. It raises the unit approximately 12" off the ground and allows the unit to be the perfect height for the average standing or sitting user. Stands are not available for 18" and 24" models because they are stand alone floor models.

12" Beveler & Grinder Stand

Order #	Weight	Price
CHGS50	36 lbs.	\$100.00

MAGNETIC DISC ORGANIZER



Covington's new Magnetic Disk Organizers are perfect for holding and organizing magnetic backed disks. Available in 12", 18", and 24" sizes, the MDO is designed to be mounted to the wall. A clasp can be attached to either the top or the bottom of the MDO to keep the pages shut. The pages are constructed of galvanized steel and the mount is powder coated to resist rusting. Each page is staggered for easy placement and removal of disks.

12" Magnetic Disk Organizer

Order #	Dimensions	Weight	Price
CMD012	18" x 18" x 7"	22 lbs.	\$315.00

18" Magnetic Disk Organizer

Order #	Dimensions	Weight	Price
CMD018	24" x 24" x 7"	41 lbs.	\$355.00

24" Magnetic Disk Organizer

Order #	Dimensions	Weight	Price
CMD024	31" x 31" x 7"	67 lbs.	\$395.00

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16" HORIZONTAL LAPS

FEATURES

- ✓ Heavy welded steel chassis
- ✓ 16" blanded and ground steel plate
- ✓ Removable grit catch pan and splash guard
- ✓ 1" steel shaft with welded flange
- ✓ 1/3hp motor

- ✓ Heavy duty ball bearings, neoprene sealed and greased for life
- ✓ Water can assembly
- ✓ Units must ship freight carrier
- ✓ 220V, 50Hz available for international orders

The 16" Horizontal Lapidary Units grind, sand, and polishes large or flat surfaces. These economical units are designed for use with loose grit and water. Diamond discs do not work with these units due to their slower speeds. This unit is an excellent choice for working stone bookends, or producing clock faces. A water can and drip valve slowly feed abrasive grit to the wheel surface. The solid steel plate turns at 220rpm and is reversible. Pieces over 8" can be abraded by turning the work piece. These units ships complete with a 1/3hp motor, instructions, and product guarantee.

16" SINGLE SPEED LAP



20% off

Covington's #5030 Single Speed Lap is perfect for making glass bevels. The slow speed is perfect for working glass pieces. This unit comes complete with a grit chute and water can assembly.

16" Single Speed Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5030HL	110V, 60Hz	MTR534	1/3 hp	115 lbs.	23" x 23" x 35"	\$1,325.00
50302L	220V, 50Hz	MTRH81	1/3 hp	115 lbs.	23" x 23" x 35"	\$1,367.00

16" TWO-SPEED LAP



20% off

The 16" Horizontal Two-Speed Lapidary Unit is perfect for working stone book ends or clock faces. CAUTION: Do NOT run the steel lap plate at high speed. This multi-featured unit includes a wheel adapter and wrench, a splash guard, a 10" aluminum head with sand disc attached (220g), and a 10" aluminum head with a leather polishing disc.

16" Two-Speed Lap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
350TSL	110V, 60Hz	MTR534	1/3 hp	150 lbs.	23" x 23" x 35"	\$1,750.00
3502TL	220V, 50Hz	MTRH81	1/3 hp	150 lbs.	23" x 23" x 35"	\$1,792.00

HORIZONTAL LAP UNITS

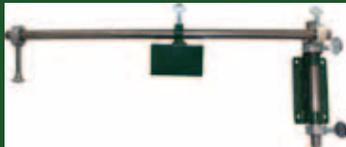
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FLAT LAP ACCESSORIES

AUTOMATIC LAP KIT



The Auto Lap Kit is designed to take the labor out of lapping. This device mounts directly to lap unit and holds the work piece on the turning plate for the user. The kit includes swivel, 1/2" diameter x 16" length extension arm, adjustable steel plate, dop wax, and instructions.

Automatic Lap Kit			
Order #	Dimensions	Weight	Price
ALK330	16" x 8" x 6"	5 lbs.	\$39.00

SPHERE CUTTING TOOL KIT



The Sphere Cutting Tool Kit will make spheres from 1-1/4" to 4" in size. Cups have a 1"-8RH threaded bore to fit horizontal lap arbors. This kit consists of a special splash guard and one (1) each: 1", 1-3/8", and 2-3/8" cutter cups. Sphere cutting on this unit is simple, just hold the rough sphere with a gloved hand and grind it on the proper size sphere cutter cup.

Sphere Cutting Tool Kit			
Order #	Dimensions	Weight	Price
SCK339	10" x 10" x 4"	9 lbs.	\$99.95

GRINDER PLATES



Covington's Horizontal Beveler/Grinder Plates feature a 1" hole in the center and four countersunk holes for securing the plate to 1" shaft and flange. Each plate is OD turned and machined true.

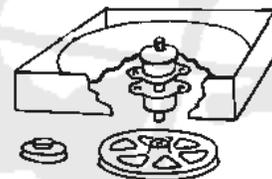
Horizontal Grinder/Beveler Plates				
Order #	Size	Dimensions	Weight	Price
CHGP12	12"	14" x 14" x 5"	15 lbs.	\$375.00
CHGP18	18"	20" x 20" x 5"	55 lbs.	\$562.50
CHGP24	24"	27" x 27" x 5"	100 lbs.	\$750.00

16" LAP KITS

FEATURES

- ✓ Turned, ground, and polished, 1" shaft with welded flange and 1"-8RH thread
- ✓ Galvanized metal splash pan
- ✓ Economical and Versatile
- ✓ 16" blanching and ground steel plate with 1"-8RH thread
- ✓ Two heavy duty 1" Sealmaster® bearings, with flange
- ✓ Build-your-own style unit

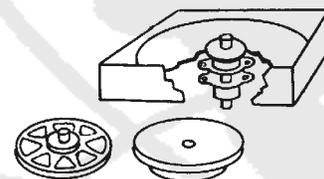
16" SINGLE SPEED LAP KIT



The Single Speed Lap Kit is a "build-your-own" style machine designed for beveling glass. This unit requires the user to create a frame and assemble the unit. The lap kit includes a 10" machine drive pulley and other basic supplies for building a single-speed lapidary unit.

16" Single Speed Lap Kit			
Order #	Weight	Dimensions	Price
LK5033	46 lbs.	25" x 25" x 20"	\$675.00

16" TWO SPEED LAP KIT

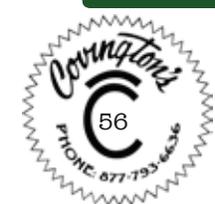


The 16" Two-Speed Lap Kit is a low cost "build-your-own" style machine that requires the user to construct a frame. This kit comes with a two step machined aluminum pulley and other basic supplies needed to manufacture a 16" horizontal lapidary unit.

16" Two Speed Lap Kit			
Order #	Weight	Dimensions	Price
TLK370	46 lbs.	25" x 25" x 20"	\$595.00

FLAT LAP ACCESSORIES

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CHOOSING AND USING AN AUTOMATIC LAP

CHOOSING A UNIT

The first question you need to ask yourself is “How large are the pieces I want/need to lap?” Once you have your answer to this question you can begin figuring out what size unit will work for your application. Users tend to get the best results on a lap when the piece they are grinding is smaller than 1/2 the size of the pan and several pieces can be placed on the plate. Having multiple pieces on the plate ensures movement across the entire plate surface which also promotes more even wear.

Small slabs and light pieces will need to be back weighted so that the piece grinds rather than hydroplaning on the water. A back weight can be as simple as adding lead fishing lures to the back of the piece and sticking it in place with a little dop wax. This process discourages hydroplaning and promotes a more effective grind. Back weights will be necessary for all thin slabs and may even be necessary for bigger pieces.

Automatic laps are NOT designed for anything that could potentially topple over onto a side unintended to be lapped; examples of such items include glass bottles or vases.

These units work similarly wherein you must put your loose grit directly in the pan, add water, and place in your work piece(s). When using these units, it is important to listen to the piece working. If you hear a scratching noise, your piece is working effectively. Do not put in too much water because the piece will just hydroplane across the water and not actually grind. Likewise, if you have too dry of a mixture, you will not get an effective grind. It is best to put in your piece and work on something else nearby so you can make sure the unit is grinding effectively all day. Add water and grit as necessary to maintain effective grind. **PRO-TIP:** Cover the face of your work piece with black sharpie marker. Place the piece marker-face down onto the unit and allow it to grind. Once all the sharpie marker is gone from the face of the piece, you are ready to move on to the next step.

FAQ

Besides size, what's the difference between the vibrating lap and the Rociprolap? This is the single most common question we get from customers in the market for an automatic lapping unit. In a word, the answer is precision. The Rociprolap is a precision based unit where the vibrating lap is not.

Can the Automatic Vibrating Lap grind my bottles? No. Any item that can topple over is not recommended for use on these units. These units are designed to work large flat pieces such as sheet or panel glass as well as book ends and stone slabs.

How fast will this unit lap my piece? If speed is what you are looking for, these types of units are probably not for you. It is difficult to calculate an exact time frame for lapping on these units because there are a variety of factors to consider. The biggest advantage to the automatic laps is that it takes the labor out of lapping. These units are designed for you to set in your piece and allow it to work while you work on something else.

Will the automatic laps polish my work piece? In a word, yes. With the proper polishes and polishing pads, these units can be very effective at polishing. Remember, the key to getting a good polish is having the correct type of polish, the correct type of polishing pad, and a creamy consistency of polish and water on the pad.

VIBRATING LAP

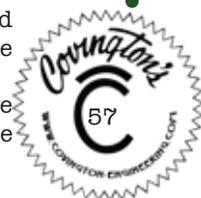
Covington's Vibrating Laps are constructed of heavy duty solid cast aluminum. A counterweight is attached directly to the motor which creates the vibrating motion in the unit. The lapping plate is cast aluminum and features a cast finish. Any imperfections in the casting plate surface will be removed on your first grind. The vibrating laps work by putting loose grit directly into the pan, adding water, and placing in your piece. The green pad that comes with the unit is only used for polishing.

ROCIPROLAP

The Rociprolap is constructed of heavy duty cast iron. This is a precision based unit. The bases are machined perfectly true and the bearing holes are held to very tight tolerances. The plate is machined perfectly flat and the bearing race on the back side is parallel and true to the plate. Little pockets are drilled into the face of the plate to promote a faster grind. Whereas the vibrating lap has a cast finish, the Rociprolap features a machined finish. Additionally, the vibrating lap only vibrates due to a counterweight attached directly to the motor. By contrast, the Rociprolap requires a shaft with a perfectly engineered counterweight designed specifically to create the motion of the plate. The plate sits on nylon bearings which are designed to wear out so as to prevent damage to more expensive parts of the unit.

The plate bearing fits the shaft neatly and the plate spins as it reciprocates creating one more dimension of movement than the vibrating lap. Please note that this unit is made of cast iron and it is impossible to prevent all rust. You can take precautions by cleaning out the plate after use and spraying the plate with WD-40.

Covington's Rociprolap has only been modified slightly from the old Jack Rose design. We have changed the counterweight shape to be more efficient and added additional bearing cups to the base.





ROCIPROLAP®

FEATURES

- ✓ Heavy duty cast iron base and lap plate
- ✓ Heavy duty sealed ball bearings
- ✓ Now with 1/2hp motor
- ✓ Runs quietly
- ✓ Must ship freight, call for a shipping quote
- ✓ Splash guard, bumper ring, and polishing pad
- ✓ Nylon ball bearings and steel discs
- ✓ 220V, 50Hz available for international orders
- ✓ We no longer charge a crating fee!

Covington's Rociprolap® is a precision built machine designed to eliminate the labor-intensive work of lapping and polishing. The lap plate revolves slowly and reciprocates 575 times per minute. It is balanced and does not need to be bolted down (except 36" model). This unit is extremely quiet in operation and built to industrial standards. This heavy-duty unit is constructed entirely of cast iron and steel. The lap plate's surface is machined flat to a very close tolerance. The lap plate also has 3/16" x 1/2" pockets to maintain fresh grit and lubrication reservoirs. The Rociprolap® will lap rock, wood, metal, glass or any material which must be ground flat. Each unit is sold complete with a splash guard, bumper ring, motor, one set of twelve (12) nylon ball bearings, one set of six (6) steel discs, felt polish pad, and instructions. Covington Engineering guarantees the machines for one year from the date of purchase against any defects.

*This excludes the nylon thrust bearings, steel discs, and leveling feet.

ROCIPROLAP®

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20" ROCIPROLAP



20% off

20" Rociprolap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5200RL	110V, 60Hz	MTRW12	1/2 hp	250 lbs.	32" x 32" x 23"	\$2,499.00
52002R	220V, 50Hz	MTRW12	1/2 hp	300 lbs.	32" x 32" x 23"	\$2,599.00

24" ROCIPROLAP



20% off

24" Rociprolap						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5240RL	110V, 60Hz	MTRW12	1/2 hp	280 lbs.	32" x 32" x 23"	\$2,699.00
52402R	220V, 50Hz	MTRW12	1/2 hp	330 lbs.	32" x 32" x 23"	\$2,799.00





ROCIPROLAP®

FEATURES

- ✓ Heavy duty cast iron base and lap plate
- ✓ Heavy duty sealed ball bearings
- ✓ Now with 1/2hp motor
- ✓ Runs quietly
- ✓ Must ship freight, call for a shipping quote

- ✓ Splash guard, bumper ring, and polishing pad
- ✓ Nylon ball bearings and steel discs
- ✓ 220V, 50Hz available for international orders
- ✓ We no longer charge a crating fee!

Covington's Rociprolap® is a precision built machine designed to eliminate the labor-intensive work of lapping and polishing. The lap plate revolves slowly and reciprocates 575 times per minute. It is balanced and does not need to be bolted down (except 36" model). This unit is extremely quiet in operation and built to industrial standards. This heavy-duty unit is constructed entirely of cast iron and steel. The lap plate's surface is machined flat to a very close tolerance. The lap plate also has 3/16" x 1/2" pockets to maintain fresh grit and lubrication reservoirs. The Rociprolap® will lap rock, wood, metal, glass or any material which must be ground flat. Each unit is sold complete with a splash guard, bumper ring, motor, one set of twelve (12) nylon ball bearings, one set of six (6) steel discs, felt polish pad, and instructions. Covington Engineering guarantees the machines for one year from the date of purchase against any defects.

*This excludes the nylon thrust bearings, steel discs, and leveling feet.

30" ROCIPROLAP



20% off

30" Rociprolap							
Model #	Motor	Motor #	Box 1		Box 2		Price
			Dimensions	Weight	Dimensions	Weight	
5300RL	110V, 60Hz	MTRW12	32" x 32" x 23"	275 lbs.	36" x 36" x 9"	180 lbs.	\$3,199.00
53002R	220V, 50Hz	MTRW12	32" x 32" x 23"	325 lbs.	36" x 36" x 9"	230 lbs.	\$3,299.00

36" ROCIPROLAP



20% off

36" Rociprolap							
Model #	Motor	Motor #	Box 1		Box 2		Price
			Dimensions	Weight	Dimensions	Weight	
5360RL	110V, 60Hz	MTRW12	32" x 32" x 23"	300 lbs.	45" x 45" x 9"	310 lbs.	\$4,099.00
53602R	220V, 50Hz	MTRW34	32" x 32" x 23"	350 lbs.	45" x 45" x 9"	360 lbs.	\$4,199.00

ROCIPROLAP 30

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ROCIPROLAP® ACCESSORIES

ROCIPROLAP® ACCESSORIES

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Replacement Base Bearings

Order #	Weight	Price
CRLB02	1 lb.	\$13.50



12 Precision Nylon Ball Bearings

Order #	Weight	Price
CRL212	1 lb.	\$12.00



Replacement Plate Bearing

Order #	Weight	Price
CRLB01	1 lb.	\$12.50



6 Precision Ground Steel Bearings

Order #	Weight	Price
CRL206	1 lb.	\$19.00



NOTE: The Covington Plate Dresser is an excellent tool to keep your Rociprolap® plate running true. The sintering on the diamond dresser provides fast removal of uneven spots on the plate. This dresser also works well on other plate machines.

Rociprolap Plate Dresser

Order #	Weight	Price
RPD115	12 lbs.	\$225.00



Replacement Shaft

Order	Weight	Price
CRLS01	10 lbs.	\$175.00



Leveling Foot

Order #	Weight	Price
CRL001	1 lb.	\$9.00



ROCIPROLAP® ACCESSORIES



ROCIPROLAP® ACCESSORIES

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Rociprolap Splash Guard

Order #	Size	Weight	Price
CRL220	20"	6 lbs.	\$35.00
CRL224	24"	6 lbs.	\$35.00
CRL230	30"	6 lbs.	\$35.00
CRL236	36"	8 lbs.	\$35.00



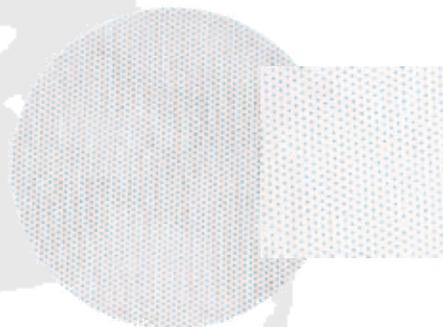
Rociprolap Felt Polish Pad for Rocks

Order #	Size	Weight	Price
CRL520	20"	4 lbs.	\$19.50
CRL524	24"	5 lbs.	\$23.50
CRL530	30"	9 lbs.	\$29.50
CRL536	36"	10 lbs.	\$35.50



Rociprolap Bumper Rings

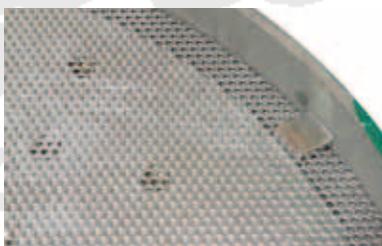
Order #	Size	Weight	Price
CRL320	20"	3 lbs.	\$19.00
CRL324	24"	3 lbs.	\$19.00
CRL330	30"	4 lbs.	\$19.00
CRL336	36"	4 lbs.	\$19.00



Rociprolap Synthetic Felt Polish Pad for Glass

Order #	Size	Weight	Price
CRLS20	20"	10 lbs.	\$190.00
CRLS24	24"	12 lbs.	\$194.00
CRLS30	30"	18 lbs.	\$230.00
CRLS36	36"	25 lbs.	\$344.00

These discs are magnetic backed



Perforated Rociprolap Grinding Discs

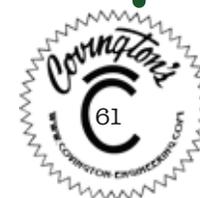
Order #	Size	Weight	Price
CRLP20	20"	10 lbs.	\$25.00
CRLP24	24"	12 lbs.	\$32.00
CRLP30	30"	18 lbs.	\$55.00
CRLP36	36"	25 lbs.	\$75.00

The perforated grinding discs increase plate life. They are held in place with four extra strong magnets.



Rociprolap Plates

Order #	Size	Weight	Price
CRL220	20"	75 lbs.	\$695.00
CRL224	24"	98 lbs.	\$885.00
CRL230	30"	180 lbs.	\$1,395.00
CRL236	36"	310 lbs.	\$2,350.00





AUTOMATIC VIBRATING LAPS

FEATURES

- ✓ Grooved plate surface promotes faster cut
- ✓ Removable pan for easy cleaning
- ✓ Single tri-knob screw releases pan
- ✓ Pad insert provides polishing capabilities
- ✓ Light weight for easy mobility and storage

- ✓ Runs quietly
- ✓ Mounting holes for securing unit to work area
- ✓ Heavy duty cast aluminum construction
- ✓ Bumper ring helps prevent fracturing
- ✓ 220V, 50Hz Model Available for International orders

Covington's Vibrating Laps are designed to abrade and polish with minimal assistance. Forget all of the work involved in lapping; with the vibrating lap just load, start, and walk away. The inertia of the heavy rock slab holds the piece relatively still while the lap pan vibrates underneath effectively replacing the circular rotation used by conventional lapping machines. Units ship complete with plate, bumper ring, polish pad, instructions, and product guarantee.

10" VIBRA LAP



20% off

10" Automatic Vibrating Lap							
Model #	Motor	Motor #	Motor Size	Pan Size	Weight	Dimensions	Price
392AVL	110V, 60Hz	MTR004	1/21 hp	10"	18 lbs.	12" x 12" x 10"	\$410.00
3922AL	220V, 50Hz	MTR001	1/21 hp	10"	18 lbs.	12" x 12" x 10"	\$420.00

12" VIBRA LAP



20% off

12" Automatic Vibrating Lap							
Model #	Motor	Motor #	Motor Size	Pan Size	Weight	Dimensions	Price
394AVL	110V, 60Hz	MTR004	1/21 hp	12"	22 lbs.	14" x 14" x 10"	\$460.00
3942AL	220V, 50Hz	MTR001	1/21 hp	12"	22 lbs.	14" x 14" x 10"	\$470.00

16" VIBRA LAP



20% off

16" Automatic Vibrating Lap							
Model #	Motor	Motor #	Motor Size	Pan Size	Weight	Dimensions	Price
396AVL	110V, 60Hz	MTR004	1/21 hp	16"	32 lbs.	18" x 18" x 10"	\$525.00
3962AL	220V, 50Hz	MTR001	1/21 hp	16"	32 lbs.	18" x 18" x 10"	\$535.00

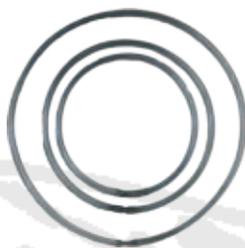
VIBRATING LAPS

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VIBRATING LAP ACCESSORIES

ACCESSORIES



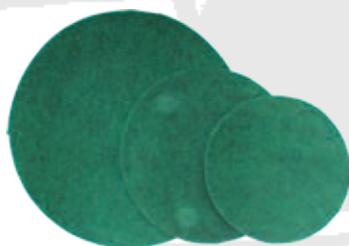
Extra Bumper Ring

Order #	Size	Price
EBR010	10"	\$6.25
EBR012	12"	\$6.75
EBR016	16"	\$7.95



10" Extra Lap Pan

Order #	Weight	Price
ELP010	5 lbs.	\$80.00



Extra Polish Pad

Order #	Size	Price
EPP010	10"	\$6.25
EPP012	12"	\$7.95
EPP016	16"	\$10.00



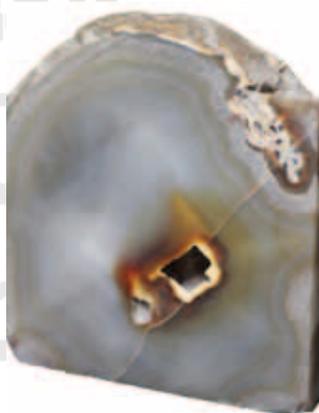
12" Extra Lap Pan

Order #	Weight	Price
ELP012	6 lbs.	\$99.00



16" Extra Lap Pan

Order #	Weight	Price
ELP016	12 lbs.	\$140.00



GEODE BOOKEND

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CHOOSING AND USING AN ARBOR

Covington's line of arbors are suitable for a variety of needs and purposes. Our simple two-station and four-station arbors are fully customizable. They do not come with a motor or base board. Instead, these units are designed to build yourself and place into any available location in a workshop. These arbors are essentially the base unit for most of our grinder and polisher units. Most of these units feature a 1" shaft for stability and rigidity. There are a couple of arbor units that have special shafting available and other types of shafts can be custom ordered upon request. These units come standard with a mild steel shaft, a fixed flange, a floating flange, and a nut on either side.

CHOOSING A UNIT

The first main difference between the open and the closed arbor is the height and the size of the wheel that it can hold. The open arbor can hold larger wheels with a small shim to raise the unit up. Secondly, the open arbor has an exposed pulley and v-belt while the closed unit has a fully enclosed front pulley and arbor. Additionally, the stock open arbors come with a longer shaft although they can be custom ordered with alternate shafting. See below for alternate shaft pricing.

COVINGTON ARBOR SHAFTS



Covington arbors are constructed with heavy-duty ball bearings mounted in a powder coated, cast aluminum housing. All shafts are made with top grade turned, ground, and polished steel to minimize vibration. Covington's will substitute standard shaft lengths for custom lengths on all ball bearing arbors. To find the price for a substitute shaft simply subtract the original shaft price from the preferred shaft price.

*If the desired length is not listed please call for a quote.

**Example: Arbor comes with CAS018 and if CAS021 is desired, Arbor cost is \$10.00 more.
Arbor comes with CAS024 and if CAS018 is desired, Arbor cost is \$26.25 less.*

Mild Steel Replacement Shafts

Order #	Weight	Size	Price
CAS018	8 lbs.	1" x 18"	\$89.25
CAS021	9 lbs.	1" x 21"	\$99.75
CAS024	10 lbs.	1" x 23-3/4"	\$115.50
CAS030	13 lbs.	1" x 30"	\$131.25
CAS036	16 lbs.	1" x 36"	\$136.50
FSA032	15 lbs.	AR5055	\$168.00

Stainless Steel Replacement Shafts

Order #	Weight	Size	Price
CSS018	8 lbs.	1" x 18"	\$99.25
CSS021	9 lbs.	1" x 21"	\$109.75
CSS024	10 lbs.	1" x 23-3/4"	\$125.50
CSS030	13 lbs.	1" x 30"	\$141.25
CSS036	16 lbs.	1" x 36"	\$146.50

TWO STATION ARBORS



ARBORS

FEATURES

- ✓ Heavy duty cast aluminum construction
- ✓ Build-your-own style unit
- ✓ Fully customizable, two station units

- ✓ Turned, ground, and polished shaft
- ✓ Heavy duty ball bearings, neoprene sealed and greased for life
- ✓ 3" drive pulley and v-belt included
- ✓ Ships complete WITHOUT motor

Covington's Two-Station Arbors are build-your-own style grinders and polishers. These versatile units are designed to accept up to 10" wheels. Each unit ships complete with two nuts, a 3" drive pulley, v-belt, and two sets of 3" diameter flanges. The split housing connects using two bolts. Two bearings are set on the shaft with two set screws. This arbor can be disassembled and reassembled in minutes.

TWO STATION CLOSED ARBOR



20% off

Covington's Two Station closed arbor has a fully sealed front casting. This unit is available with a 1" x 18" shaft or a 3/4" x 18" shaft. This unit fits 8" wheels comfortably but will accept 10" wheels if necessary.

Two Station Closed Arbor				
Order #	Shaft Size	Weight	Dimensions	Price
TSA402	1" x 18"	14 lbs.	20" x 8" x 10"	\$295.00
TSA404	3/4" x 18"	14 lbs.	20" x 8" x 10"	\$295.00

TWO STATION OPEN ARBOR



20% off

The Two-Station Open Arbor features an open center and a 1" x 23-3/4" shaft. A 2" riser shim is available to increase the amount of available space. This unit will easily accept 10" wheels when spacer shim is used.

Two Station Open Arbor				
Order #	Shaft Size	Weight	Dimensions	Price
TSA412	1" x 23-3/4"	18 lbs.	23" x 14" x 10"	\$295.00

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ARBORS & ACCESSORIES

FOUR STATION OPEN ARBOR

ARBORS & ACCESSORIES



The Four-Station Open Arbor is a “build-your-own” style grinder/polisher designed to accept 6”, 8”, and 10” wheels, expandable drums, tapered spindles, aluminum heads, and cone wheels; each individually secured to the shaft. To reverse the rotation of the shaft, turn arbor 180 degrees - the back side can be the front. Arbor features a 1” diameter shaft at center and 5/8” shaft outboard. Arbor comes with 3” diameter center drive pulley, but larger pulleys, up to 8” diameter, can be installed. Order wheel guards, tanks, and water systems to make the machine complete. Arbor ships with four (4) nuts, 3” drive pulley, v-belt, and four (4) sets of 3” diameter flanges. The shaft includes 1/2”-20 x 1” long studs on each end. Two alternate sets of 2” diameter x 1/2” flanges are included. Each wheel can be individually secured by one flange with set screws and a floating flange with nut.

* Please note that this basic model is sold without wheels and motor.

Four Station Open Arbor			
Order #	Weight	Dimensions	Price
AR5055	22 lbs.	34” x 14” x 10”	\$395.00

ARBOR SHIM



2” Riser Shim		
Order #	Weight	Price
CAS158	4 lbs.	\$35.00

ARBOR SPACERS



Steel Shelby Spacer			
Order #	Diameter	Width	Price
CSS100	1-1/2”	1/4” Lip	\$9.95
Bore: 1”			

Buy Two Ends Receive Middle Spacer Free



Aluminum Flanges w/ Steel Spacer			
Order #	Diameter	Length	Price
CSS275	2-3/4”	1-1/2” +	\$9.95
Bore Sizes: 5/8”, 3/4”, 1”			

Buy Two Ends Receive Middle Spacer Free

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PAN & HOOD SETS



PAN & HOOD SETS



Glass Lathe Pan and Hood w/ Water Valve
(Designed for low water/high access grinding)

Order #	Weight	Dimensions	Price
CSW541	10 lbs.	16" x 12" x 6"	\$92.95



Glass Lathe Pan and Hood w/out Water Valve
(Designed for low water/high access grinding)

Order #	Weight	Dimensions	Price
CSP541	10 lbs.	16" x 12" x 6"	\$82.95



Cast Aluminum Pan & Hood

Order #	Weight	Dimensions	Price
CSP422	15 lbs.	16" x 12" x 10"	\$140.00



Adjustable Hood and Pan

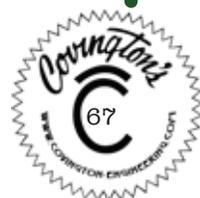
Order #	Weight	Dimensions	Price
GSP591	10 lbs.	16" x 12" x 10"	\$82.95



10" Wheel Tank & Guard

Order #	Weight	Dimensions	Price
WG5056	18 lbs.	18" x 18" x 6"	\$99.95

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CHOOSING AND USING A GEM DRILL

Covington's Gem Drills are suitable for many purposes. With both automatic, and manual versions there is something for everyone. Manual Gem Drills allow the user to control the speed at which the piece is being drilled. Automatic Gem Drills utilizes an electric feed which mechanically raises and lowers the drill chuck 1/4" at a time. The light pressure decreases risk of damaging Diamond Drill Bits but increases drill time. Both units are meant for light-duty drilling, and both are compact and portable. Both units have a Jacobs Chuck that accepts drill bits from 0.75mm up to 1/4".

USING: When it comes to utilization of the units, pieces should be drilled completely submerged in water. Drilling in water prevents diamond bits from over heating, and losing the embedded diamonds. When using the Manual Gem Drill, only a slight amount of pressure should be used to drill through the piece. Too much pressure may result in the piece breaking, or prematurely burning up the diamond drill bit. In order to maximise the drilling life of a bit, a press and release method should be adopted in order to keep the bit cool.



The Putty Vise holds small pieces of gemstone or glass for drilling. Always drill with the work piece submerged in water to keep the drill bit cool and to sustain a longer drill bit life. This unit comes with a 3" diameter x 5/8" deep aluminum tank, a 1" square block of plastic putty and a 1/4" brass ferrule. The plastic putty holds the work piece and the brass ferrule can act as a dam to hold grit or water when drilling.



Putty Vise		
Order #	Weight	Price
PPV627	2 lbs.	\$17.50

1/4 Pound Plastic Putty		
Order #	Weight	Price
CPP604	1 lb.	\$2.00



The Nugget and Bead Vise holds beads up to 3/4" in diameter for drilling. Always drill with the vise submerged in water to keep the drill bit cool and to sustain a longer drill bit life. This unit comes with a 3" diameter x 5/8" deep aluminum tank.

Nugget & Bead Vise		
Order #	Weight	Price
NBV618	2 lbs.	\$37.00



1-Ounce Boron Carbide Grit		
Order #	Weight	Price
BCG602	1 lb.	\$5.25

GEM DRILL ACCESSORIES



GEM DRILL ACCESSORIES



RDT601 includes two each: 1-1/2mm tubes, 2mm tubes, and one cleaner pin.



RDT603 includes two 1/8" tubes, one 3/16" tube, one 1/4" tube and a cleaner pin.

Metric Drill Tubes		
Order #	Weight	Price
RDT601	1 lb.	\$14.75

Drill Tubes		
Order #	Weight	Price
RDT603	1 lb.	\$14.75

TRANSFORMERS

This Transformer changes 220/240V to 110/120V. These voltage converters will handle either 200 or 300 watts or approximately 2 or 3 amps and can run some of our smaller machines in other countries.



200W Voltage Transformer		
Order #	Weight	Price
CVT200	5 lbs.	\$34.95



300W Voltage Transformer		
Order #	Weight	Price
CVT300	5 lbs.	\$39.95

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GEM DRILLS

FEATURES

- ✓ Light duty machines
- ✓ Compact and portable
- ✓ Economical

- ✓ Drills accurately
- ✓ 220V, 50Hz NOT available for international orders but units will work with a voltage transformer (Page 157)

GEM DRILLS

MANUAL GEM DRILL



20% off

The Manual Gem Drill is an excellent choice for drilling medium to soft gemstone material or glass. The unit is a lever operated, versatile, light duty machine that drills quickly and accurately with a 3/4" stroke. The motor and bracket can be quickly adjusted for height. This unit is powered by a 1/15hp, 5000rpm variable speed motor and features a foot operated speed control. This gem drill can easily be converted into a carving and buffing kit simply by removing the motor and mounting it horizontally. The drill comes complete with a 1/4" Jacobs chuck and key, water pan, instructions, and product guarantee.

Manual Gem Drill			
Model #	Weight	Dimensions	Price
605MGD	9 lbs.	16" x 8" x 6"	\$240.00

AUTO GEM DRILL



20% off

The Automatic Gem Drill is ideal for cutting soft stones and glass. A 1/50hp, 115V, 60Hz motor runs at 3000rpm and drives the drill. It uses an electronic feed which mechanically raises and lowers the drill chuck 1/4". The light pressure of the feed prevents damage to diamond coated drill bits but results in a longer drilling time. Drill Tubes and 180 Boron Carbide Grit are a low cost option available for this unit. Plastic Putty holds the work piece. The putty can also serve as a dam to hold grit around a drill tube. This unit comes complete with 1/4" Jacobs chuck, two 1-1/2mm and two 2mm diamond drill bits, plastic putty, instructions, and product guarantee.

Automatic Gem Drill			
Model #	Weight	Dimensions	Price
600AGD	9 lbs.	16" x 8" x 6"	\$240.00

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CHOOSING AND USING A GLASS UNIT

CHOOSING A UNIT

Covington Engineering proudly manufactures many different varieties of specialty glass units for studio cold working. Lathe-style units are available for a more customizable approach, and for those looking for more usable space to the operator. Specialty glass units for beveling interior and exterior curves also are available, as well as Cork & Felt

Polishing units for high polish results.

There are three generations of the Glass Lathe Unit all of which feature at least 11 inches of reach. The Original Glass Lathe has the ability to accept any wheel size up to 10" diameter, as well as a turned ground and polished shaft to minimize vibrations. The Glass Lathe #2 has the ability to accommodate almost any size wheel, and is light enough for a small studio and heavy-duty enough for high production shops. The Professional Glass Lathe features 12" of reach allowing for greater grinding area and a Morse 3 taper to accept Spatzier tools.

Specialty Glass Machines such as the Vertical Glass Beveler provide the ability to bevel interior and exterior curves, while providing unobstructed access to wheels. Both tank sides are easily removable for easy wheel changes and can fit up to a 10" diameter wheel. The Glass Engraver is designed for brilliant cutting. This unit features utilization of mandrel supported engraving wheels and glass cutting wheels up to 6" in diameter.

Cork & Felt Polishing units feature 10" or 16" diameter wheels meant to pre-polish and high polish with ease. These heavy duty units run at a high speed in order to create the friction necessary for a brilliant finish.

FAQ

One of the most common questions regarding Glass Units is in regards to water supply. Here at Covington's we recommend always having a fresh supply of water coming in and letting the dirty water run out. **PRO-TIP:** Never reuse water with a recycling system. Recycling water will reintroduce contaminants to later steps and will render steps useless instead of remaining effective. Water should only provide a light misting or steady drip on the surface of the wheel. If water is splashing everywhere there is too much water being used, and the grinding process is not effective. All units that have water supplies have 1/4" inputs and quickly connect to standard 1/4" pipe.

GLASS LATHES

Covington's Original Glass Lathe features the ability to adjust the motor for different speeds easily and quickly. With dual over-head loc-line water supply it is easy to maintain a fresh supply of water to the top of wheels. Two pans are included and are shipped separate from the base so that the user can align them where it is most convenient. The base of the unit comes with magnets attached to the bottom so that the user can adjust the pans as needed without having to permanently attach the pans to the base. With 11" of shaft extension on either side of the unit there is plenty of space to work with and not feel restricted.

Covington's Glass Lathe #2 also features the ability to adjust the motor for different speeds easily and quickly. This unit also includes dual over-head loc-line water supply and provides fresh water supply wherever the user would like. This unit does not have a base that extends completely underneath the length of the shaft allowing larger wheels to fit on this unit. When the stand is purchased with the unit, shelves on either side can be adjusted to any height to accommodate wheels and support pans as needed.

Covington's Professional Glass Lathe has a variable speed controller mounted to the front of the unit so that any speed can be achieved from 0rpm to 1850rpm. This unit has 12" of reach on the side of the unit allowing for more unobstructed access than before. The end of the shaft has a Morse 3 taper to accept Spatzier tooling and includes an ultra precise 1" spindle for other tool mounting.

SPECIALTY GLASS UNITS

Covington's Vertical Glass Beveler provides an alternative unit for beveling inside and outside curves. This unit comes ready to accept most wheels up to 10" in diameter, providing versatility and the ability to change wheels with ease. When ordering this unit it is important to specify the speed at which you would like the unit to run: 4200rpm for 10" wheels, 785rpm for 8" wheels, or 1,100rpm for 6" wheels.

Covington's Glass Engraver comes with a variable speed controller mounted to the front of the unit, allowing the operator to control the speed from 0rpm to 1600rpm. This unit accepts mandrel supported engraving wheels as well as glass cutting wheels up to 6" in diameter.

Covington's Cork & Felt Polishing units feature a mounted, dressed and tested, Cork wheel and Felt wheel on the unit. Cork is intended to be used with pumice to pre-polish the piece and Felt works best with Cerium Oxide to provide a final polish on the piece.

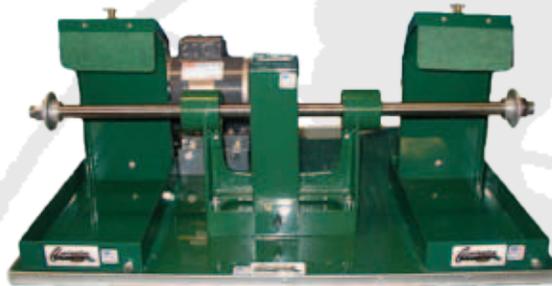


ORIGINAL GLASS LATHE

FEATURES

- ✓ Turned, ground, and polished, 1" shaft
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ 1 hp motor
- ✓ Three speeds: 635rpm, 805rpm, and 1100rpm
- ✓ 220V, 50Hz available for international orders

The Covington Glass Lathes are versatile machines designed to accept a variety of wheel sizes and styles. The shaft is turned, ground, and polished to minimize vibration while extending 11" of usable space to the operator. Units come standard with 36" of loc-line tubing and water manifold for easy water supply to wheels. The each length of loc-line has a control valve to easily control water flow to wheels. Each glass lathe comes complete with a 1hp motor mounted on a rustproof base, quick belt-change motor mount, instructions, and product guarantee.



20% off

The Original Glass Lathe is a versatile machine that will accommodate wheels up to 10" in size. The pans and hoods ship unmounted so they can be attached to the base where it is most convenient for the user. This model ships complete with two (2) splash pans and hoods and two (2) 4" spacers.

Original Glass Lathe						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
4012GL	110V, 60Hz	MTR922	1 hp	130 lbs.	37" x 32" x 15"	\$1,275.00
4012L	220V, 50Hz	MTRL01	1 hp	130 lbs.	37" x 32" x 15"	\$1,317.00

PROFESSIONAL GLASS LATHE



20% off

Covington's all new Professional Glass Lathe is a response for the need of a Merker and Spatzier style glass lathe. The Professional Lathe features 12" of reach allowing for greater grinding area, a morse 3 taper to accept Spatzier tools, and a 1hp DC variable speed motor which allows for complete speed control from 0 to 1850rpm. Constructed of solid, aircraft quality, billet aluminum, this machine was designed for precision and endurance. Each machine comes with a newly designed, ultra precise, 1" spindle, and drift key. Unit has 4 mounting holes in base. The unit simply needs to be bolted to a solid base, add your own water supply, and is ready to use.

Unit features a NEMA 4X control box and a water resistant motor.

Professional Glass Lathe						
Model #	Motor	Motor Size	Weight	Dimensions	Price	
4000GL	110V, 60Hz	1 hp	220 lbs.	36" x 24" x 28"	\$4,495.00	
4002GL	220V, 50Hz	1 hp	220 lbs.	36" x 24" x 28"	\$4,495.00	



GLASS LATHE #2



GLASS LATHES

FEATURES

- ✓ Turned, ground, and polished, 1" shaft
- ✓ Runs quietly
- ✓ 1 hp motor
- ✓ Heavy duty steel and cast aluminum construction
- ✓ 1-1/2" square steel tube stand with anchor holes for floor mounting
- ✓ Three speeds: 635rpm, 805rpm, and 1100rpm
- ✓ 220V, 50Hz available for international orders

The Covington Glass Lathes are versatile machines designed to accept a variety of wheel sizes and styles. The shaft is turned, ground, and polished to minimize vibration while extending 11" of usable space to the operator. Units come standard with 36" of loc-line tubing and water manifold for easy water supply to wheels. The each length of loc-line has a control valve to easily control water flow to wheels. Each glass lathe comes complete with a 1hp motor mounted on a rustproof base, quick belt-change motor mount, instructions, and product guarantee.

GLASS LATHE #2



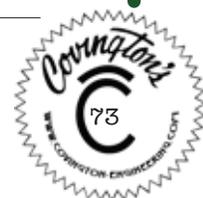
20% off

The Glass Lathe #2 is a versatile machine that can accommodate almost any wheel. This machine is light enough for a small studio but heavy-duty enough for high production shops. Lathe stand features fully adjustable shelves that can be removed for large pieces. The stand is 36" high, creating a comfortable shaft height of 46". Each adjustable rustproof side table is 16" x 36" to accommodate users own water catch basin. Lathe ships complete with Covington's signature rustproof base, quick belt-change motor mount, steel stand, two shelves with standards and brackets, and product guarantee. *Please note that this unit MUST be anchored to floor to keep from tipping over. Units without the stand MUST be anchored to a tabletop.

Glass Lathe #2						
Model #	Motor	Motor #	Motor Size	Dimensions	Weight	Price
4013GL	110V, 60Hz	MTR922	1 hp	39" x 39" x 17" Both	98 lbs. & 118 lbs.	\$1,475.00
40132L	220V, 50Hz	MTRL01	1 hp	39" x 39" x 17" Both	98 lbs. & 118 lbs.	\$1,517.00

Glass Lathe #2 No Stand						
Model #	Motor	Motor #	Dimension	Weight	Price	
4013NS	110V, 60Hz	MTR922	39" x 39" x 17"	98 lbs.	\$1,050.00	
40132N	220V, 50Hz	MTRL01	39" x 39" x 17"	98 lbs.	\$1,092.00	

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SPECIALTY GLASS MACHINES

FEATURES

- ✓ Unobstructed access to wheels
- ✓ Covington's Signature rustproof base
- ✓ Turned, ground, and polished steel shaft
- ✓ Heavy duty ball bearings, neoprene sealed and greased for life

VERTICAL GLASS BEVELER



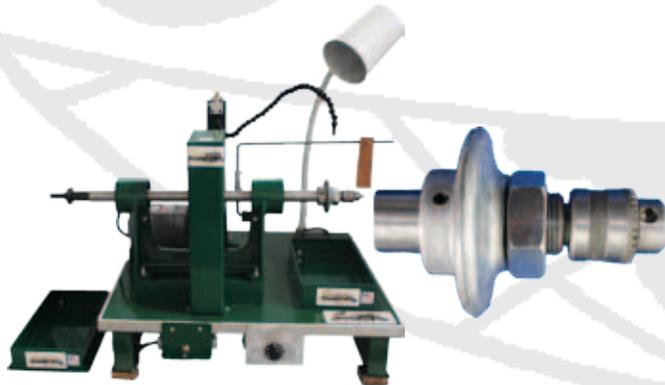
20% off

Covington's #5051 Vertical Glass Beveler bevels inside and outside curves. An adjustable sponge bench minimizes splash. The back plate with spray nozzle adjusts to wheel size. Each tank features a removable tank side for easy wheel change. The arbor quickly disassembles for pulley change or bearing inspection. Water valve and spray nozzle are built in for easy hookup. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Determine speed based on wheel size, 420rpm for 10" wheels, 785rpm for 8" wheels, or 1,100rpm for 6" wheels and specify speed when ordering. If two wheel sizes are used, choose the faster speed. Wheels turn toward the operator and up. This unit ships fully assembled with belt guard, 1/3hp motor, instructions, and product guarantee. *Please note that this unit is sold without wheels.

Vertical Glass Beveler						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5051GB	110V, 60Hz	MTR853	1/3 hp	90 lbs.	25" x 25" x 16"	\$945.00
50512B	220V, 50Hz	MTR853	1/3 hp	90 lbs.	25" x 25" x 16"	\$987.00

GLASS ENGRAVER

20% off



Covington's #5069 Glass Engraver is designed for brilliant cutting. This versatile machine utilizes mandrel supported engraving wheels and glass cutting wheels up to 6" in diameter. A water manifold with flexible loc-line provides water to workstation. Two water pans catch drip waste. A detachable leather tongue trails the engraving wheel. Mounted hand control permits unlimited speed settings from 0rpm to 1600rpm. This unit includes standard wheel kit: five assorted mandrel-mounted wheels, and one thin-flex diamond cutting blade. This unit ships complete with a 1/2hp, 110V, 60Hz motor, belt guard, speed control, flexible Moffatt lamp, 1/4" Jacob's chuck and key, wheel adapter, instructions, and product guarantee.

Glass Engraver			
Model #	Dimensions	Weight	Price
5069GE	37" x 26" x 26"	125 lbs.	\$1,525.00

SPECIALTY GLASS MACHINES

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CORK & FELT POLISHERS



FEATURES

- ✓ Turned, ground, and polished, 1" shaft
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ 220V, 50Hz model available for overseas

- ✓ Cork & felt wheels, dressed and ready for use
- ✓ Adjustable sponge bench to minimize splash
- ✓ Heavy duty, neoprene sealed ball bearings
- ✓ Removable side panels for easy wheel change

The Cork & Felt Polishers coldwork glass to a high polish. Use the cork wheel with mildly abrasive pumice to pre-polish the piece. Use the felt wheel with cerium oxide to final-polish the piece. The arbor quickly disassembles for pulley change or bearing inspection. Water valve and spray nozzle are built in for easy hookup. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems.

10" CORK & FELT



20% off

Unit comes with one 10" x 2" cork wheel and one 10" x 2" felt wheel installed, dressed, and factory tested for balance. Wheels turn at 420rpm to minimize polish powder loss; a rim speed of 1,230SFM creates the friction necessary for a brilliant finish. Wheels spin towards the user and up. This model ships fully assembled with belt guard, 1/3hp, high-torque motor, instructions, and product guarantee.

10" Cork & Felt Glass Polisher						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5050GP	110V, 60Hz	MTR853	1/3 hp	92 lbs.	25" x 25" x 20"	\$1,250.00
50502P	220V, 50Hz	MTR853	1/3 hp	92 lbs.	25" x 25" x 20"	\$1,292.00

16" CORK & FELT



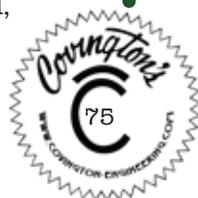
20% off

Unit comes with one 16" x 3" cork wheel and one 16" x 3" felt wheel installed, dressed and factory tested for balance. Wheels turn at 280rpm to minimize polish powder loss; a rim speed of 1,173SFM creates the friction necessary for a brilliant finish. The wheels turn towards the operator and up. This model ships fully assembled with belt guard, 1/3hp, high-torque motor, instructions, and product guarantee.

16" Cork & Felt Glass Polisher						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
5016GP	110V, 60Hz	MTR853	1/3 hp	140 lbs.	37" x 26" x 26"	\$2,100.00
50162P	220V, 50Hz	MTR853	1/3 hp	140 lbs.	37" x 26" x 26"	\$2,142.00

CORK & FELT GLASS POLISHERS

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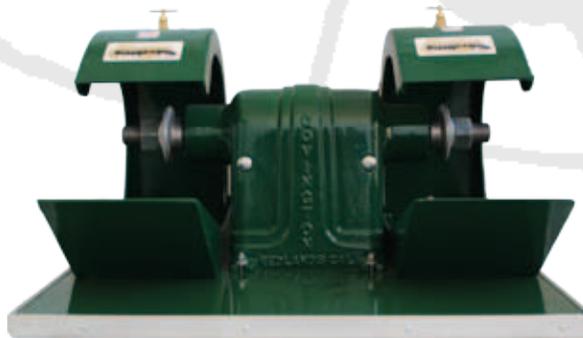
GRINDERS & POLISHERS

FEATURES

- ✓ 22" x 24" footprint
- ✓ 18" x 1" turned, ground, and polished shaft
- ✓ Fits 6" and 8" wheels
- ✓ 1/2 hp, high-torque motor
- ✓ Accepts 8" aluminum heads
- ✓ Completely customizable
- ✓ Runs quietly
- ✓ Neoprene sealed ball bearings, greased for life
- ✓ Heavy duty, powder coated construction
- ✓ 220V, 50Hz model available for overseas

Covington's Grinders & Polishers are customizable two-station units designed to suit each customer's unique needs. These machines accept 6" and 8" wheels, as well as 8" expandable drums and 8" aluminum heads with both left and right hand 1"-14 threading. Accessories include flanges, nuts, drive pulley, v-belt, belt guard, water valves, drains, instructions, and product guarantee. The hoods are easy to remove for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. Unit ships mounted on an aluminum-topped Lam-I-Cushion base. *Please note that this unit does not come with wheels, drums, or aluminum heads.

HEAVY-DUTY GRINDER & POLISHER



20% off

The Heavy Duty Grinder & Polisher is a fully customizable two-station unit.

Heavy Duty Grinder & Polisher						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
400HDG	110V, 60Hz	MTR199	1/2 hp	77 lbs.	25" x 25" x 18"	\$845.00
4002HG	220V, 50Hz	MTR199	1/2 hp	77 lbs.	25" x 25" x 18"	\$895.00

VARIABLE SPEED GRINDER & POLISHER



20% off

The Variable Speed Grinder/Polisher is a fully customizable two-station unit designed with variable speed control. A spin handle on the front allows for changes between 800rpm and 1725rpm. This allows greater control with grinding and polishing results.

Variable Speed Grinder & Polisher						
Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
592VSP	110V, 60Hz	MTR199	1/2 hp	78 lbs.	25" x 25" x 18"	\$945.00
5922VP	220V, 50Hz	MTR199	1/2 hp	78 lbs.	25" x 25" x 18"	\$995.00

GRINDERS & POLISHERS

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EXPANDABLE DRUM UNITS



FEATURES

- ✓ 8" x 3" Expandable Drums
- ✓ Runs quietly
- ✓ Heavy duty steel and cast aluminum construction
- ✓ Mounted on rustproof base

- ✓ Water valves and drain plugs
- ✓ Powder coated for durability and longevity
- ✓ 220V, 50Hz available for international orders

The Expandable Drum Units are versatile machines that allow the user to move through grinding stages without changing the wheels. The angled expansion slots through the rubber rim of the expandable drum allow it to expand when rotated, thereby locking the belt in place. The drum surface flexes to the contours of the gemstone quickly removing grinding flats and scratches. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. Hoods remove easily for cleaning and wheel change. Units ship mounted to rustproof base, ready to plug in and operate.

Each machine ships with instructions and a product guarantee.

TWO STATION EXPANDABLE DRUM UNIT



20% off

The #454 Two-Station Expandable Drum Unit now features two drums mounted on a shaft that is pulley driven. This new model features sealed ball bearings and a 1/2hp motor. The unit runs at 1725rpm and is an economical two-station grinder/polisher. This machine ships with two (2) 3" x 8" sand belts (100g & 220g), 1/2hp motor, instructions, and product guarantee.

Two Station Expandable Drum Unit

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
454EDU	110V, 60Hz	MTR199	1/2 hp	97 lbs.	25" x 25" x 18"	\$945.00
4542EU	220V, 50Hz	MTR199	1/2 hp	97 lbs.	25" x 25" x 18"	\$965.00

FOUR STATION EXPANDABLE DRUM UNIT



20% off

The #594 Four-Station Expandable Drum Unit features a 1/2hp high-torque motor with variable speed control. A steel shaft is securely mounted in heavy duty ball bearings greased for life. Accessories include four (4) 3" x 25-7/32" sanding belts (1-each 100g, 220g, 400g, & 600g), belt guard, instructions, and product guarantee.

Four Station Expandable Drum Unit

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
594EDU	110V, 60Hz	MTR199	1/2 hp	122 lbs.	37" x 26" x 16"	\$1,450.00
5942EU	220V, 50Hz	MTR199	1/2 hp	122 lbs.	37" x 26" x 16"	\$1,500.00

EXPANDABLE DRUM UNITS

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8" GRINDER & POLISHER

FEATURES

- ✓ 36" x 24" Footprint
- ✓ Adjustable cab and wheel rest
- ✓ Speed control with 8 rpm changes
- ✓ 1/3 hp, heavy duty motor
- ✓ 8" Expandable drum
- ✓ 8" Aluminum head with leather for polishing
- ✓ Runs quietly
- ✓ Neoprene sealed ball bearings, greased for life
- ✓ Heavy duty, powder coated construction
- ✓ 220V, 50Hz Model Available for Overseas

The 8" Grinder/Polisher is an excellent machine for grinding and polishing stones. With two hard wheels and one expandable drum, this unit will quickly shape and polish work pieces. The angled slots through the rubber rim of the drum allow it to expand when rotated, thereby locking the belt in place. The drum surface flexes to the contours of the gemstone quickly removing grinding flats and scratches. The hoods are easy to remove for cleaning or wheel changes. The water valve takes 1/4" OD plastic tubing for gravity water flow or 1/4" copper tubing for pressure systems. Spray nozzles under the hood wet the entire wheel face. This unit ships mounted on a rustproof aluminum-topped Lam-I-Cushion base.

SILICON CARBIDE



20% off

The #752 8" Silicon Carbide Grinder/Polisher comes with two 8" x 1-1/2" silicon carbide grinding wheels (100g & 220g), one 8" expandable drum, one 3" x 25-7/32" sanding belt (400g), and one 8" x 1"-14RH aluminum head with 8" leather disc, sample kit (polish powder, brush, dop sticks, and wax), instructions, and product guarantee.

8" Silicon Carbide Grinder & Polisher

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
752SGP	110V, 60Hz	MTR853	1/3 hp	122 lbs.	37" x 26" x 16"	\$1,300.00
7522SP	220V, 50Hz	MTR853	1/3 hp	122 lbs.	37" x 26" x 16"	\$1,340.00

DIAMOND



20% off

The #754 8" Diamond Grinder/Polisher comes with two 8" x 1-1/2" metal bond diamond grinding wheels (100g & 220g), two 3" x 25-7/32" diamond cloth belts (400g & 1200g), one 8" x 1"-14RH aluminum head with leather disc attached, a 5-gram syringe of 50,000 mesh diamond compound, a 2-ounce bottle of extender fluid, sample kit (polish powder, brush, dop sticks, and wax), a book about using diamond abrasives, instructions, and product guarantee.

8" Diamond Grinder & Polisher

Model #	Motor	Motor #	Motor Size	Weight	Dimensions	Price
754DGP	110V, 60Hz	MTR853	1/3 hp	122 lbs.	37" x 26" x 16"	\$1,500.00
7542DP	220V, 50Hz	MTR853	1/3 hp	122 lbs.	37" x 26" x 16"	\$1,540.00



HEAVY DUTY STANDS



Covington's Heavy-Duty Equipment Stands are designed for use with Covington machines. Stands are made of heavy gauge steel and powder coated to resist rust. Available in a variety of sizes, these stands are built to a comfortable height of 32". These stands are made with 1-1/2" steel box tube. Just choose which stand you need based on the base size of your machine. *Custom sizes are available, call for a quote.

HEAVY DUTY STANDS



Sander Stand				
Order #	Size	Weight	Dimensions	Price
CSS264	12" x 24"	50 lbs.	37" x 26" x 15"	\$165.00

Grinder Stand				
Order #	Size	Weight	Dimensions	Price
CGS200	22" x 24"	75 lbs.	37" x 26" x 26"	\$195.00



Combo Stand				
Order #	Size	Weight	Dimensions	Price
CCS254	36" x 18"	105 lbs.	20" x 38" x 34"	\$215.00

Trim Saw Stand				
Order #	Size	Weight	Dimensions	Price
CTS250	16" x 24"	65 lbs.	37" x 26" x 26"	\$185.00



12" Beveler & Grinder Stand				
Order #	Size	Weight	Dimensions	Price
CHGS50	24" x 24" x 12"	36 lbs.	25" x 25" x 16"	\$100.00



The #467 Small Cabinet Stand is designed to hold all Covington 8" combination units. An optional Lam-I-Cushion table top and door kit are available to convert this stand into a workbench. The #386 Large Cabinet Stand makes an excellent multi-purpose workbench. An optional Lam-I-Cushion table top and door kit are available to convert this stand into a workbench.

Cabinet Stands							
Order #	Description	Size	Dimensions	Weight	Price	*Table Top	*Door Kit
LCS386	Large Cabinet Stand	36" x 24"	37" x 26" x 16"	70 lbs.	\$195.00	\$52.50	\$36.75
SCS467	Small Cabinet Stand	36" x 12"	37" x 26" x 6"	50 lbs.	\$149.95	\$42.00	\$36.75

*Please note that the optional rustproof top and door kit are sold separately.

JohnsonBrothersLapidity.com
JBFC.com



EQUIPMENT



10" CHOP SAWS



FEATURES

- ✓ Perfect for cutting bottles
- ✓ Use in combination with Covington's Ultimate blade for superb results!

- ✓ Optional leg stand available
- ✓ Modified to cut at a lower speed!
- ✓ 220V, 50Hz available for international orders (MK only)

10" CHOP SAWS

HUSQVARNA TILE SAW



The Husqvarna Tilematic TS 250 X3 is a professional grade chop saw designed for cutting glass. The 1-1/2hp Baldor TEFC motor is designed specifically for use on this unit. The 18" x 16-1/2" platform uses Husqvarna's patented technology and slides with the utmost ease. With a 10" blade capacity, this saw can cut glass with a depth of 3-3/4" and up to 24" in length. Covington Engineering has worked closely with Husqvarna to modify the cutting speed of this saw from 2,760rpm to 1,971rpm in order to reduce chipping when cutting glass. Please note that some assembly is required and that the leg stand is sold separately.

10" Husqvarna Chop Saw

Order #	Weight	Dimensions	Price
HCS250	155 lbs.	44" x 28" x 22"	\$1,495.00
CSTAND	26 lbs.	45" x 24" x 5"	\$135.00

MK TILE SAW



The Covington-MK saw has been modified especially for glass. Whether you are cutting Borosilicate, Soft Glass, Pattern bars, or even bottles our Covington modified MK saw will do the trick. We have modified the RPM's of the tile saw and slowed it down from 3450 RPM's to 2500 RPM so the glass does not get "hammered". We include our Ultimate Glass Blade (a \$150.00 Value) with each saw to provide you with everything you need to get nice clean, virtually chip free cuts. (Available in 110v or 220v)

10" MK Tile Saw

Order #	Motor	Weight	Dimensions	Price
CMK101	110V, 60Hz	155 lbs.	44" x 28" x 22"	\$1,100.00
CMK1012	220V, 50Hz	155 lbs.	44" x 28" x 22"	\$1,550.00
CSTAND	Stand	26 lbs.	45" x 24" x 5"	\$140.95

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JBFC.com





CAB KING

FEATURES

- ✓ Direct drive 1/4hp, 1800rpm motor
- ✓ Individual water shut-off valves above each wheel and grinding/polishing pad
- ✓ 8 work stations, 6 wheels, and 2 end stations
- ✓ Clean water system provides contamination free work stations
- ✓ 110/115V, 605GPH, 30W pump
- ✓ 6W, 12V Lamp
- ✓ 220V, 50Hz available for international orders

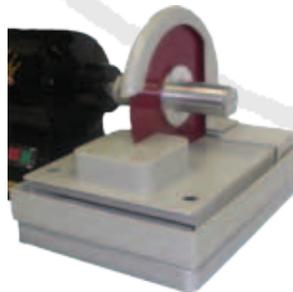
The 6" Cab King is an excellent unit for making cabochons. This 8-station grinder/polisher comes complete with two (2) 6" x 1-1/2" metal bonded diamond wheels (80g & 220g), four (4) 6" x 1-1/2" resin bonded diamond wheels (280g, 600g, 1200g, & 3000g), one (1) 6" x no hole diamond flat lap (320g), one (1) 5-1/2" x no hole canvas polishing pad, a 2-gram syringe of diamond paste compound (14,000g), goggles, apron, and a separate submersible pump. Built on a sturdy base board, this unit features aluminum splash hoods with adjustable clear splash shields, plastic pans with drain holes, side splash guards, and metal hand rests. One year limited warranty on motor and parts (wheels not covered).

6" CAB KING



6" Cab King				
Order #	Motor	Dimensions	Weight	Price
CABK06	110V, 60Hz	31" x 16" x 15"	56 lbs.	\$1,399.00
CABK62	220V, 50Hz	31" x 16" x 15"	57 lbs.	\$1,399.00

TRIM SAW ATTACHMENT



The Cab King Trim Saw Attachment features an 8" sintered blade, plastic blade guard, drip pan, pan support, splash guards, saw platform, and an additional platform for small rough stone. Spin off the right hand wheel and adapter, and spin on the special saw adapter with blade, set in place, and start cutting.

Trim Saw Attachment				
Order #	Description	Weight	Price	
CABTSA	6" Cab King	8 lbs.	\$299.00	
CABTS8	8" Cab King	16 lbs.	\$299.00	

6" CAB KING

JohnsonBrothersLapidity.com
JBFC.com



CAB KINGS



FEATURES

- ✓ Direct drive 3/4hp, 1800rpm, 110V, 60Hz motor
- ✓ Individual water shut-off valves above each wheel and grinding/polishing pad
- ✓ 8 work stations, 6 wheels, and 2 end stations
- ✓ New industrial sized unit!

- ✓ 110/115V, 605GPH, 30W pump
- ✓ 6W, 12V lamp
- ✓ Clean water system provides contamination free work stations
- ✓ ASSEMBLY REQUIRED
- ✓ 220V, 50Hz available for international orders

8" CAB KING

The 8" Cab King is a professional grade unit for making cabochons. This 8-station grinder/polisher comes complete with two (2) 8" x 1-1/2" metal bonded diamond wheels (80g & 220g), four (4) 8" x 2" resin bonded diamond wheels (280g, 600g, 1200g, & 3000g), one (1) 8" x no hole diamond flat lap (360g), one (1) 5-1/2" x no hole canvas polishing pad, a 2-gram syringe of diamond paste compound (14,000g), goggles, apron, and a submersible pump. Built on a sturdy base board, this unit features stainless steel splash hoods with adjustable clear splash shields, plastic pans with drain holes, side splash guards, and metal hand rests. One year limited warranty on motor and parts (wheels not covered). *Please note that this unit ships in 3 boxes, and must be assembled.

8" CAB KING



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8" Cab King							
Order #	Motor (Box 1)		Hood, Base, Accessories (Box 2)		Wheels (Box 3)		Price
	Dimensions	Weight	Dimensions	Weight	Dimensions	Weight	
CABK08	40" x 13" x 14"	75 lbs.	50" x 17" x 18"	58 lbs.	20" x 14" x 11"	25 lbs.	\$2,399.00
CABK28	40" x 13" x 14"	75 lbs.	50" x 17" x 18"	58 lbs.	20" x 14" x 11"	25 lbs.	\$2,499.00





MK GRINDER & FOREDOM

MK WET/DRY GRINDER

FEATURES

- ✓ Durable universal motor operates on standard house current
- ✓ Compact tool with ergonomically designed sure-grip handle
- ✓ Lightweight water attachment with adjustable valve
- ✓ Includes ground fault circuit interrupter
- ✓ Backing plate included



The MK-1503-S Wet Polisher is ideal for handheld grinding and polishing of gemstones, rock materials, marble, and granite. The handheld grinder attaches to a standard hose to enable the unit to dispense a steady flow of water through a control valve to the work piece. The MK-1503-S comes with a water hose connector, GFCI, and spanner wrenches. No kit included.

MK Wet/Dry Grinder			
Order #	Dimensions	Weight	Price
CMK150	20" x 16" x 7"	16 lbs.	\$425.00

FOREDOM CRAFT KIT



The Foredom Craft Kit is "The Standard" worldwide for professional jewelers, craftsmen and industrial users. It features a 1/10hp ball bearing motor and EC-1 foot control with dependable, long lasting performance under all kinds of conditions and applications. This complete Foredom package includes their most popular machine and accessory kit #20. It comes with 35 assorted accessories including cutters, burs, mounted points and abrasive wheels. It is suitable for a full range of precision operations on wood, metal, plastic, leather, glass, stone, and more.

Foredom Craft Kit			
Order #	Dimensions	Weight	Price
CK2272	13" x 19" x 5"	25 lbs.	\$334.00

DIAMOND POLISHING DISCS



The Diamond Polishing Discs are flexible, Velcro™ backed polishing discs designed to achieve a scratch-free, highly polished finish on all straight or contoured granite and marble edges. The Velcro™ backing allows for fast disc changes. The disc backs are color-coded for easy grit size identification. The kit includes one disc of each grit and a hard rubber back-plate. Maximum speed is 3700rpm. NOT MK BRAND

Diamond Polishing Discs							
Color/Grit	Order #	Weight	Price	Color/Grit	Order #	Weight	Price
Blue/50g	DPP005	1 lb.	\$13.00	Orange/200g	DPP020	1 lb.	\$13.00
Red/500g	DPP050	1 lb.	\$13.00	Green/1000g	DPP100	1 lb.	\$13.00
Light Green/2000g	DPP200	1 lb.	\$13.00	Grey/3000g	DPP300	1 lb.	\$13.00
4" Felt	FPP004	1 lb.	\$40.00	Backing Plate	DBP001	1 lb.	\$24.00
Set of 1 each (no felt)	DPS001	3 lbs.	\$90.00				

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SUPPLIES



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SILICON CARBIDE GRITS

SILICON CARBIDE GRITS

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JBFC.com



60/90 - 80*		
Order #	Size	Price
SC1080	1 lb.	\$4.85
SC5080	5 lbs.	\$17.95
SCB080	50 lbs.	\$127.95



120/220 - 220*		
Order #	Size	Price
SC1220	1 lb.	\$4.85
SC5220	5 lbs.	\$18.50
SCB220	50 lbs.	\$132.00



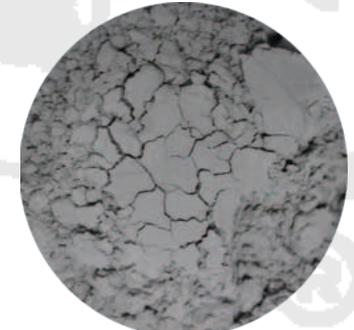
3F-400*		
Order #	Size	Price
SC1400	1 lb.	\$6.25
SC5400	5 lbs.	\$25.25
SCB400	50 lbs.	\$201.55



5F-600*		
Order #	Size	Price
SC1600	1 lb.	\$7.25
SC5600	5 lbs.	\$31.50
SCB600	50 lbs.	\$262.50



8F-800		
Order #	Size	Price
SC1800	1 lb.	\$5.25
SC5800	5 lbs.	\$19.50
SCB800	50 lbs.	\$148.50



1,000		
Order #	Size	Price
SC1100	1 lb.	\$8.25
SC5100	5 lbs.	\$36.50
SCB100	50 lbs.	\$319.75

*Covington sells only the highest quality of silicon carbide grits. Our silicon carbides are baked longer than standard silicon carbide grits ensuring higher quality and longer grinding life. Silicon carbide grit is a 9 on the Mohs scale. The marked selections are manufactured in the United States.



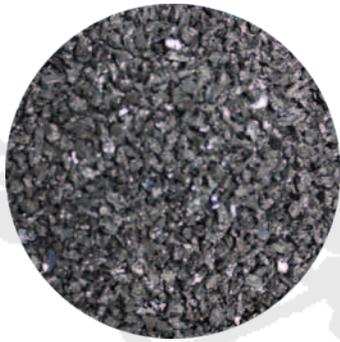
1,200		
Order #	Size	Price
SC1120	1 lb.	\$5.75
SC5120	5 lbs.	\$22.25
SCB120	50 lbs.	\$176.55



GRADED SILICON CARBIDE GRITS



SILICON CARBIDE GRITS



14 Graded		
Order #	Size	Price
GG1014	1 lb.	\$4.75
GG5014	5 lbs.	\$16.95
GGB014	50 lbs.	\$118.25



60 Graded		
Order #	Size	Price
GG1060	1 lb.	\$4.75
GG5060	5 lbs.	\$17.25
GGB060	50 lbs.	\$120.00



80 Graded		
Order #	Size	Price
GG1080	1 lb.	\$4.75
GG5080	5 lbs.	\$17.25
GGB080	50 lbs.	\$120.00



120 Graded		
Order #	Size	Price
GG1120	1 lb.	\$4.85
GG5120	5 lbs.	\$18.25
GGB120	50 lbs.	\$135.75



220 Graded		
Order #	Size	Price
GG1220	1 lb.	\$4.85
GG5220	5 lbs.	\$18.25
GGB220	50 lbs.	\$135.75



320 Graded		
Order #	Size	Price
GG1320	1 lb.	\$4.75
GG5320	5 lbs.	\$17.75
GGB320	50 lbs.	\$130.25



400 Graded		
Order #	Size	Price
GG1400	1 lb.	\$4.75
GG5400	5 lbs.	\$17.75
GGB400	50 lbs.	\$130.50



600 Graded		
Order #	Size	Price
GG1600	1 lb.	\$5.25
GG5600	5 lbs.	\$19.50
GGB600	50 lbs.	\$149.50

Covington's sells only the highest quality graded silicon carbide grits. Producing a quality product and customer satisfaction is our top priority. These graded grits have a longer grinding life and do not break down as quickly as cheaper products.





CHOOSING AND USING TUMBLING MEDIA

Tumbling Media has a variety of purposes. Some media act as fillers while others aid in grinding or polishing processes. Using certain media together can aid in cleaning, burnishing, polishing, or grinding pieces. There are many different approaches to Tumbling Media, below is a basic guide for beginners to tumbling.

FILLER MEDIA: When it comes to preventing pieces from colliding during the tumbling process, there are a few options in the way of filler media. Ceramic Angle #1, #2 & #3 all add weight to the load as well as separate work pieces to keep them from sticking together. Garnet sand is an excellent addition in grinding steps adding weight, and increasing the grinding efficiency of the step. Plastic Pellets act as a cushion during tumbling, which is most important in the polishing/final step. They decrease the probability of pieces colliding which could result in chips or scratches in the final step.

BURNISHING MEDIA: There are several different medias that can be used for burnishing. They include: Corn Cob, Plastic Pyramids, Steel Shot, Burnishing Compound, and Walnut Shell. Burnishing Compound should be used with Steel Shot in order to achieve bright clean finishes. There are two types of Steel Shot available, Stainless, and Carbon Steel. Stainless has a slightly higher cost, but does not require as much cleaning to reuse. Carbon Steel Shot should be completely cleaned, dried, and then sprayed with a rust inhibitor before storage.

OLD MISER: Old Miser is an additive that is to be used during the grinding steps of tumbling. An original binding mix is created to aid in slurry creation for most effective grinding. Old Miser also helps the grit stick to the pieces which increases grinding efficiency and decreases time spent with each step. Old Miser should not be reused with each step, and can be quickly washed away with a quick rinse of water. Old Miser should only be used with grinding steps, not during a polish step. Old Miser will prevent polish from achieving any results, and will not help polish faster. Only 4 teaspoons of Old Miser are needed for every 1-lb of grit. *See page 10 for more tumbling information.



This high-quality burnishing and lubricating compound creates bright, clean finishes and works great on both silver and gold. Use a ratio of 1-tablespoon to 1-gallon of water, adjust as needed.

Burnishing Compound		
Order #	Size	Price
BRN001	1 lb.	\$6.75
BRN005	5 lbs.	\$28.25
BRN050	50 lbs.	\$230.50



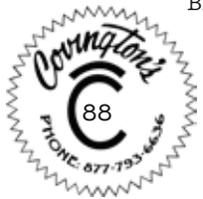
Made from the hard woody ring of the corncob, it is used as a very gentle finishing and drying media for polishing and burnishing metals.

Corn Cob		
Order #	Size	Price
CCC001	1 lb.	\$3.75
CCC005	5 lbs.	\$11.75
CCC050	50 lbs.	\$66.50



An excellent aid to grinding and polishing in a vibrating or rolling tumbler. The small size aids in reaching hard-to-get areas. Use 1/4-cup of garnet sand per quart of rocks. Use the mixture from rough grind through polish. 8/12 mesh.

Garnet Sand		
Order #	Size	Price
CGS001	1 lb.	\$3.95
CGS005	5 lbs.	\$12.95
CGS050	50 lbs.	\$78.85



TUMBLING MEDIA



TUMBLING MEDIA



Ceramic Angle #1: This filler media adds weight to the load increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.

Ceramic Angle #1: 3/8" x 5/8"

Order #	Size	Price
CCA001	1 lb.	\$4.50
CCA015	5 lbs.	\$15.50
CCA510	50 lbs.	\$103.25



Ceramic Angle #2 contains a mild abrasive. An excellent filler, it adds weight to the load increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.

Ceramic Angle #2: 1/4" x 5/8"

Order #	Size	Price
CCA002	1 lb.	\$4.75
CCA025	5 lbs.	\$17.25
CCA520	50 lbs.	\$120.95



Ceramic Angle #3: This filler media adds weight to the load effectively increasing tumbling action, separates work pieces keeping parts from sticking together, and carries grit to work pieces.

Ceramic Angle #3:
5/32" x 5/16"

Order #	Size	Price
CCA003	1 lb.	\$5.75
CCA035	5 lbs.	\$23.75
CCA530	50 lbs.	\$184.95



1/4" plastic media used wet on all precious metals for cut down prior to burnishing with steel shot. This is a fast cutting media that produces an excellent finish. The plastic pyramids are made with a 400-grit quartz abrasive embedded inside.

Plastic Pyramids

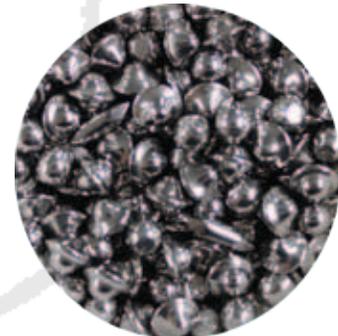
Order #	Size	Price
PYR001	1 lb.	\$4.25
PYR005	5 lbs.	\$13.95
PYR050	50 lbs.	\$88.25



A superior mix of balls, pins, ball-cones, and cylinders. Just the right sizes for jewelry work. The mixture ensures maximum coverage of a wide variety of work pieces. Shot is made from hard, stainless steel with a mirror bright surface.

Stainless Steel Shot

Order #	Size	Price
SSS001	1 lb.	\$15.25
SSS005	5 lbs.	\$76.50
SSS050	50 lbs.	\$712.95



A superior mix of balls, pins, ball-cones, and cylinders. Just the right sizes for jewelry work. The mixture ensures maximum coverage of a wide variety of work pieces. Shot is made from hard, low-carbon steel with a mirror bright surface.

Carbon Steel Shot

Order #	Size	Price
CSS001	1 lb.	\$8.25
CSS005	5 lbs.	\$37.25
CSS050	50 lbs.	\$321.75





TUMBLING MEDIA



Use in a tumbler with a pinch of red rouge powder to put a brilliant polish on brass shell cartridges, silver, gold jewelry, and coins.

Coarse Walnut Shell		
Order #	Size	Price
GWSC01	1 lb.	\$3.25
GWSC05	5 lbs.	\$8.25
GWSC50	50 lbs.	\$30.50



Use in a tumbler with a pinch of red rouge powder to put a brilliant polish on brass shell cartridges, silver, gold jewelry, and coins.

Fine Walnut Shell		
Order #	Size	Price
GWSF01	1 lb.	\$3.25
GWSF05	5 lbs.	\$8.25
GWSF50	50 lbs.	\$30.50



1/8" pellets act as a cushion when tumbling delicate materials, especially during a polishing cycle. Pellets float off for easy separation and re-use.

Plastic Pellets		
Order #	Size	Price
PPS001	1 lb.	\$4.25
PPS005	5 lbs.	\$14.50
PPS050	50 lbs.	\$92.00



TIP: Using Old Miser® with your tumbler will save time and money. This compound helps bind grit to the workpiece while prohibiting the water from washing the grit away. This process speeds up the grinding stages and conserves grit. Use 4-teaspoons of Old Miser® per 1-pound of grit. *Note: Do not use Old Miser® during polishing stages.



Set of 6 Grit & Polish Brushes for grit and polish application.

Set of 6 Grit & Polish Brushes		
Order #	Size	Price
GPB649	1/2"	\$2.50



This binding agent holds grit to workpieces reducing grit loss due to centrifical force. This compound quickly makes a slurry and holds grit to the stone, speeding up the process and saving grit. Old Miser is water-soluble and washes away easily.

Old Miser		
Order #	Size	Price
OMGC01	12 oz.	\$6.75
OMGC05	5 lbs.	\$33.75
OMG050	50 lbs.	\$250.95



CHOOSING AND USING POLISHING COMPOUND

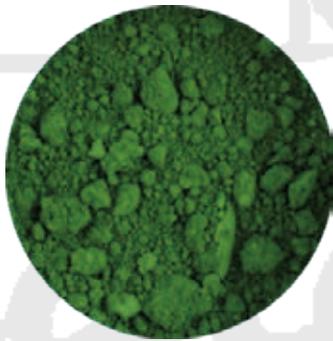


When it comes to Polishing, there are many different ways to achieve the desired finish on any grinding piece. One of the first steps to choosing the perfect polishing compound is to identify the material that you are attempting to polish. One of the most versatile polishing compounds is Covington Tumbler Polish; which can be used as a tumbling polish, pre-polishing compound, and for plate lapping as well.

GLASS: Glass is a very soft material (only a 5 on the Mohs Scale) and can be brought up to a polish in many different ways. Standard Cerium Oxide is the most common way to polish glass, and can be used in a tumbler or in combination with a felt pad and water. Our high quality, optical grade cerium is one of the best all purpose polishes, and can even be used for many other applications. Red Rouge powder can be used as a final polish, and works well as an inexpensive tumbling polish.

STONE: When it comes to polishing stones there are several methods that can be used. One of the most common is in a Roll-N-Tumble Gem Tumbler (see pages 11-14) . When tumbling stones it is important to use a polish and a filler that can prevent the stones from colliding, while still achieving a polish. Covington Gold Polish #1 is a pure micro-alumina powder that can polish hard stones very similar to Tin Oxide. Covington Gold Polish #2 is comparable to Linde 'A' Polish and can help achieve a super-fine polish on all stones both hard and soft.

PUMICE: Pumice is a polishing compound that is used in combination with cork belts, wheels, or discs. Pumice is recommended for experienced users. Coarse pumice can make for quick grinding under the right applications, and fine pumice can be used as a pre-polish on glass. *See page 10 for more tumbling information.



This green powder is a hard polishing agent used to polish jade, garnet, rhodonite, and lapis.



A 99% pure micro-alumina powder, this polish is great for polishing petrified wood, agate, rhodocrosite, jade and other hard stones. Approximately 2-3 microns and a 9 on the Mohs scale (compares with Tin Oxide).



A 99% pure micro alumina powder, this polish is excellent for achieving a super-fine polish on all hard and soft stones. Particle size is approximately .5 microns and a 9 on the Mohs scale (compares with Linde 'A' Polish).

Chrome Oxide		
Order #	Size	Price
COP001	1 lb.	\$13.25
COP005	5 lbs.	\$65.50
COP050	50 lbs.	\$603.25

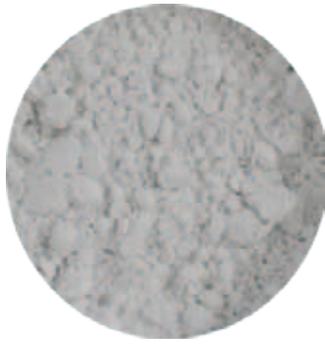
Covington Gold Polish #1		
Order #	Size	Price
CGP001	1 lb.	\$6.75
CGP005	5 lbs.	\$28.50
CGP050	50 lbs.	\$232.00

Covington Gold Polish #2		
Order #	Size	Price
CGP201	1 lb.	\$10.75
CGP205	5 lbs.	\$51.50
CGP250	50 lbs.	\$464.00





POLISHING COMPOUND



This 98% pure levigated alumina polish powder is excellent for tumbling, pre-polishing, and plate lapping.

Covington Tumbler Polish		
Order #	Size	Price
CTP001	1 lb.	\$7.75
CTP005	5 lbs.	\$33.75
CTP050	50 lbs.	\$285.25



A cleaning powder used to remove iron stains from gemstones.

Oxalic Acid		
Order #	Size	Price
OAP001	1 lb.	\$4.75
OAP005	5 lbs.	\$17.25
OAP050	50 lbs.	\$121.25



Very coarse pumice for quick grinding, recommended for experienced users. Sand-like in appearance.

Pumice, 1		
Order #	Size	Price
PUM501	1 lb.	\$3.25
PUM505	5 lbs.	\$10.00
PUM550	50 lbs.	\$72.00



Coarse pumice for quick grinding, recommended for experienced users.

Pumice, 0-1/2		
Order #	Size	Price
PUM101	1 lb.	\$3.25
PUM105	5 lbs.	\$10.00
PUM150	50 lbs.	\$72.00



Use to remove grease or stains from glass surfaces. This pumice creates an excellent pre-polish on glass. Use with cork belts, wheels, or discs. Can be applied with wet rag, or felt block.

Pumice, 2F		
Order #	Size	Price
PUM201	1 lb.	\$3.25
PUM205	5 lbs.	\$10.00
PUM250	50 lbs.	\$72.00



Use on cork belts, wheels, or discs for semi-polishing the edges or bevels on glass plate. This pumice creates an excellent pre-polish on glass.

Pumice, 4F		
Order #	Size	Price
PUM401	1 lb.	\$3.25
PUM405	5 lbs.	\$10.00
PUM450	50 lbs.	\$72.00

POLISHING COMPOUND

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POLISHING COMPOUND



POLISHING COMPOUND



Use this inexpensive polish powder for tumbling. Use with walnut shell to polish brass and other metals. This powder can be used as a final polish for glass and obsidian.

Red Rouge		
Order #	Size	Price
RRP001	1 lb.	\$5.75
RRP005	5 lbs.	\$22.50
RRP050	50 lbs.	\$172.00



A .3 micron alumina powder that is 99.98% pure aluminum oxide and a 9 on the Mohs scale. Linde 'A' will polish almost any gemstone.

Linde 'A' Polish		
Order #	Size	Price
LAP001	1 oz.	\$8.95
LAP008	8 oz.	\$59.00



A great pre-polish, cream-colored polishing compound.

Tripoli Polish		
Order #	Size	Price
TTPO01	1 lb.	\$3.50
TTPO05	5 lbs.	\$10.50
TTPO50	50 lbs.	\$53.75



This 99.9% high purity tin oxide provides an excellent polish on almost any gemstone including hard-to-polish stones.

Tin Oxide		
Order #	Size	Price
TOPO01	1 lb.	\$20.25
TOPO05	5 lbs.	\$105.50
TOPO50	50 lbs.	\$1,001.95



Covington's high quality optical grade super cerium is excellent for polishing glass. One of the best all purpose polishes, cerium will polish quartz, agate, opal, obsidian, etc.

Super Cerium Oxide		
Order #	Size	Price
SCOO01	1 lb.	\$23.75
SCOO05	5 lbs.	\$126.25
SCOO05	50 lbs.	\$1,211.00



Covington's high quality optical grade cerium is excellent for polishing glass. One of the best all purpose polishes, cerium will polish quartz, agate, opal, obsidian, etc.

Cerium Oxide		
Order #	Size	Price
C85001	1 lb.	\$12.75
C85005	5 lbs.	\$63.50
C85050	50 lbs.	\$582.75



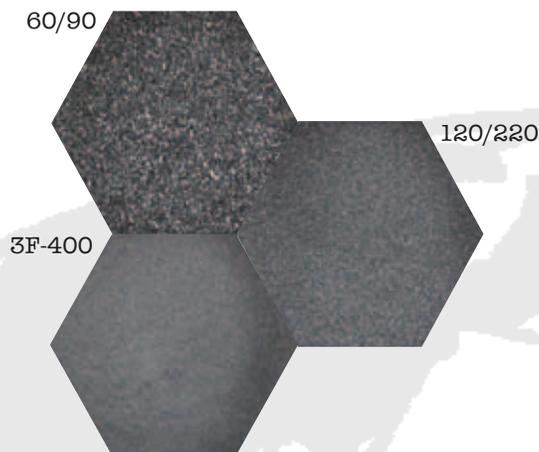


GRIT & POLISH KITS



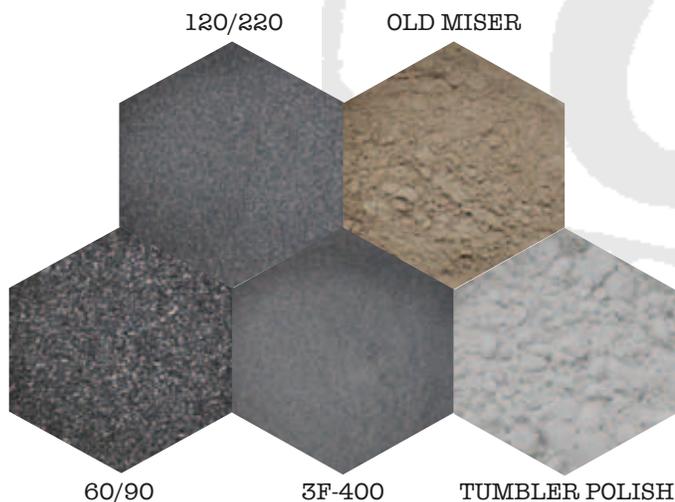
Starter Grit & Polish Kit (Includes 1-lb. 60/90g, 12-oz. 120/220g, 12-oz. 3-F/400g, 6-oz. Old Miser, & 6-oz. Covington Tumbler Polish)

Starter Grit & Polish Kit		
Order #	Weight	Price
SGPK01	6 lbs.	\$19.25



Lapping Grit Kit (Includes 1-lb. 60/90g, 1-lb. 120/220g, & 1-lb. 3-F/400g)

Lapping Grit Kit		
Order #	Weight	Price
LGK001	4 lbs.	\$14.30



Tumbler Grit & Polish Kit (Includes 1-lb. 60/90g, 1-lb. 120/220g, 1-lb. 3-F/400g, 12-oz. Old Miser, & 1-lb. Covington Tumbler Polish)

Tumbler Grit & Polish Kit		
Order #	Weight	Price
TGPO01	6 lbs.	\$25.25



Jumbo Grit & Polish Kit (Includes 5-lbs. each of 60/90g, 120/220g, 3-F/400g, Old Miser, & Covington Tumbler Polish)

Jumbo Grit & Polish Kit		
Order #	Weight	Price
JGK005	28 lbs.	\$119.50



SPECIALTY COMPOUNDS



Red Rouge Bar: Use with gold, silver, and soft metals. The red rouge bar is ideal for producing a final high color and luster. 1-lb Bar.

Red Rouge Bar		
Order #	Weight	Price
RRB001	2 lbs.	\$9.00



Tripoli Bar: Eliminates surface scratches. Use with red rouge for a final polish. 12-oz. Bar.

Tripoli Bar		
Order #	Weight	Price
BTB001	2 lbs.	\$2.75



White Rouge: Quickly polishes hard metals such as nickel, steel, chromium, and stainless steel. .84-lb. Bar.

White Rouge Bar		
Order #	Weight	Price
WRB001	2 lbs.	\$7.50



Wham Bar: Produces an exceptionally fine finish on hard metals such as nickel, steel, chromium, and stainless steel. 4-oz. Bar.

Wham Bar		
Order #	Weight	Price
WPB001	1 lb.	\$3.75



White Diamond XXX: For extra fast cutting of all metals. Use with red rouge. 12-oz. Bar.

White Diamond Bar XXX		
Order #	Weight	Price
WDB001	2 lbs.	\$3.50



Cerium Oxide Spray Bottle		
Order #	Size	Price
CSB001	2 lbs.	\$7.00

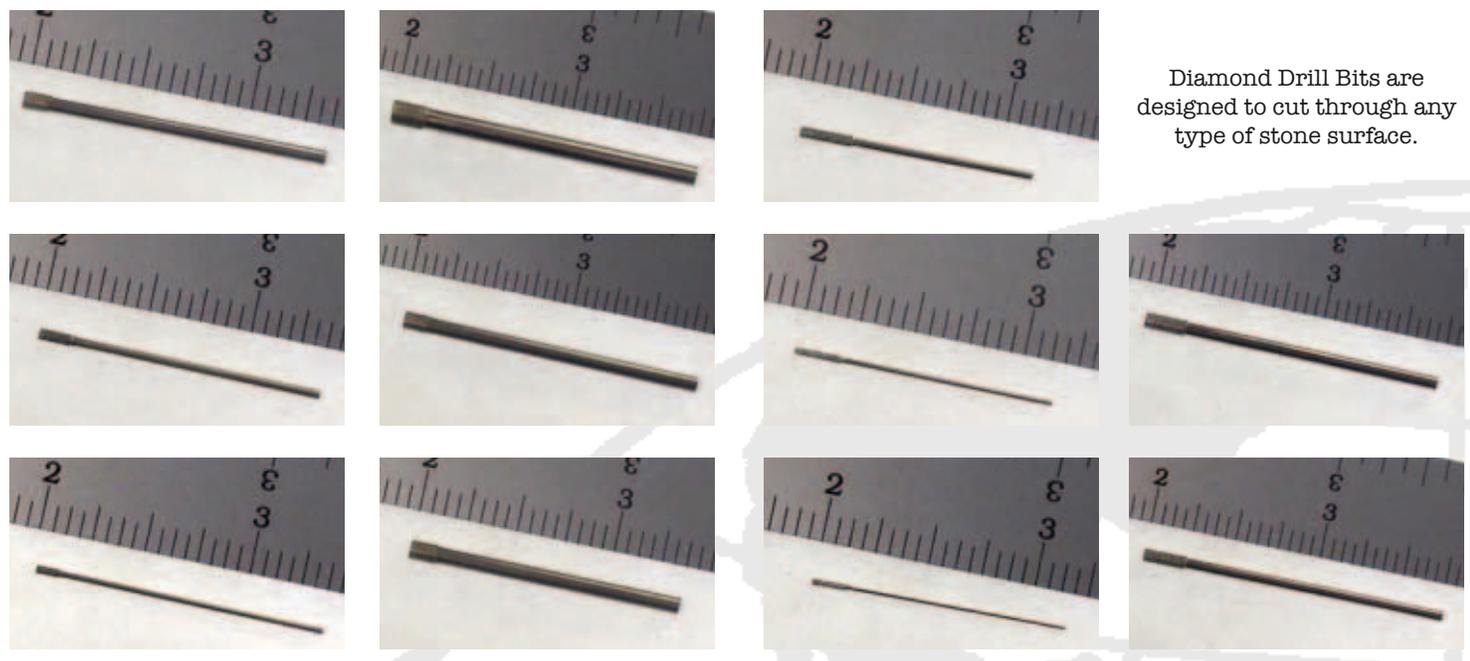
Spray Bottle Only		
Order #	Weight	Price
CSB032	2 lbs.	\$3.50



DIAMOND DRILL BITS

DIAMOND DRILL BITS

Diamond Drill Bits are designed to cut through any type of stone surface.



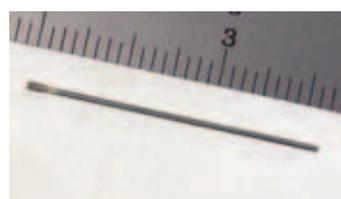
Bonded Diamond Core Drill Bits

Order #	Size	Price Each 1-9	Price Each 10+
BCD100	1.00mm	\$3.00	\$2.50
BCD150	1.50mm	\$3.00	\$2.50
BCD200	2.00mm	\$3.00	\$2.50
BCD250	2.50mm	\$3.50	\$3.00
BCD300	3.00mm	\$5.00	\$4.50
BCD350	3.50mm	\$5.50	\$4.75

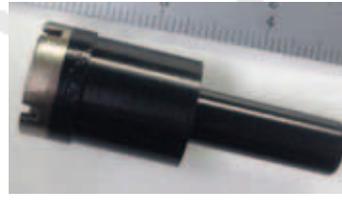
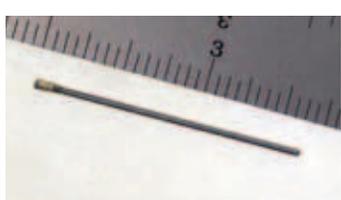
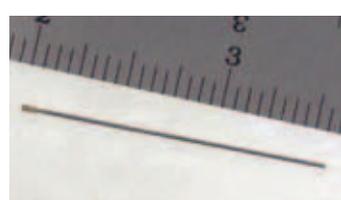
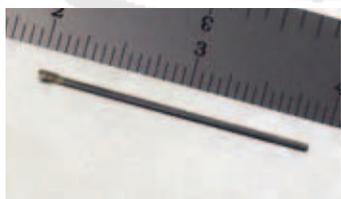
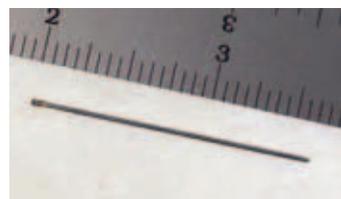
Bonded Diamond Drill Bits

Order #	Size	Price Each 1-9	Price Each 10-49	Price Each 50+
BDD075	.75mm	\$2.25	\$1.75	\$1.00
BDD100	1.0mm	\$2.25	\$1.75	\$1.00
BDD150	1.5mm	\$2.25	\$1.75	\$1.00
BDD200	2.0mm	\$2.25	\$1.75	\$1.00
BDD250	2.5mm	\$2.25	\$1.75	\$1.00

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Sintered Core Drills are durable and long-lasting.



Sintered Drill Bits

Order #	Size	Price Each
SDB001	1.0mm	\$20.00
SDB002	1.2mm	\$20.00
SDB003	1.4mm	\$20.00
SDB004	1.7mm	\$20.00
SDB005	2.0mm	\$20.00

Sintered Core Drill Bits

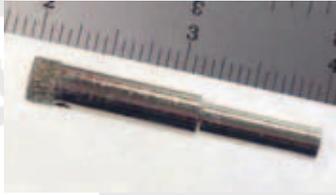
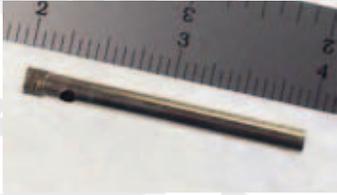
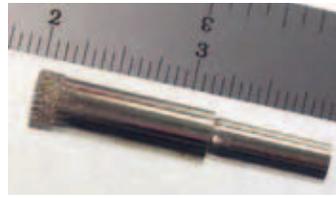
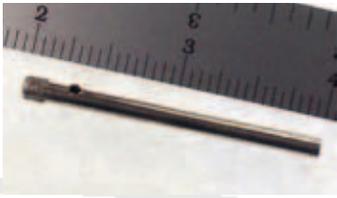
Order #	Size	Price Each
SCD001	1/2"	\$35.00
SCD002	3/4"	\$39.00
SCD003	1"	\$56.00
SCD004	1-1/4"	\$62.00
SCD005	1-1/2"	\$88.00
SCD006	2"	\$110.00



DIAMOND DRILL BITS



DIAMOND DRILL BITS



The Crinkled Rim Core Drill is nickel plated, has a high diamond concentration and cuts quickly through most stone. The crinkling aids in faster cutting and stone removal.



Notched Rim Crinkled Core Drills

Order #	Size	Size	Price Each
CCD004	4mm	0.1575"	\$5.00
CCD005	5mm	0.1969"	\$5.25
CCD006	6mm	0.2362"	\$7.00
CCD008	8mm	0.3150"	\$9.00
CCD010	10mm	0.3937"	\$12.00
CCD012	12mm	0.4724"	\$13.00
CCD014	14mm	0.5512"	\$15.00
CCD016	16mm	0.6299"	\$16.00
CCD018	18mm	0.7087"	\$17.00
CCD020	20mm	0.7874"	\$19.00
CCD025	25mm	0.9843"	\$22.00
CCD030	30mm	1.1811"	\$25.00
CCD035	35mm	1.3780"	\$27.00



SINTERED CORE DRILL BITS WITH BRASS ADAPTER



Sintered Core Drill Bits With Brass Adapter

Order #	Size	Price Each
SCB001	1/2"	\$45.00
SCB002	3/4"	\$49.00
SCB003	1"	\$66.00
SCB004	1-1/4"	\$72.00
SCB005	1-1/2"	\$98.00
SCB006	2"	\$120.00

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DIAMOND COMPOUND



Diamond Compound is available in 5-gram and 10-gram syringes that make application easy. Graduated marks along the side of the syringe indicates amount. Apply the compound in tiny dots and spread evenly across the pad, add a few drops of diamond extender fluid and spread with a fingertip. Rotate the part being ground and check frequently for overheating. Add a drop of extender fluid to cool off the work piece. Recharge the plate only when necessary as the diamond lasts a long time.

High Concentration Diamond Compound 5-Grams			
Mesh	Micron	Order #	Price
325	50	CDC550	\$12.00
600	30	CDC530	\$12.00
1,200	15	CDC515	\$12.00
3,000	6	CDC506	\$12.00
8,000	3	CDC503	\$12.00
14,000	1	CDC501	\$12.00
50,000	1/2	CDC505	\$12.00
100,000	1/4	CDC525	\$12.00

High Concentration Diamond Compound 10-Grams			
Mesh	Micron	Order #	Price
325	50	CDC050	\$22.00
600	30	CDC030	\$22.00
1,200	15	CDC015	\$22.00
3,000	6	CDC006	\$22.00
8,000	3	CDC003	\$22.00
14,000	1	CDC001	\$22.00
50,000	1/2	CDC005	\$22.00
100,000	1/4	CDC025	\$22.00

EXTENDER FLUID



Use Diamond Extender Fluid to spread diamond compound on polish plate and to keep the plate and work piece from overheating.

2 oz. Extender Fluid		
Order #	Weight	Price
DEF200	1 lb.	\$5.25



CHOOSING AND USING GRINDING ACCESSORIES

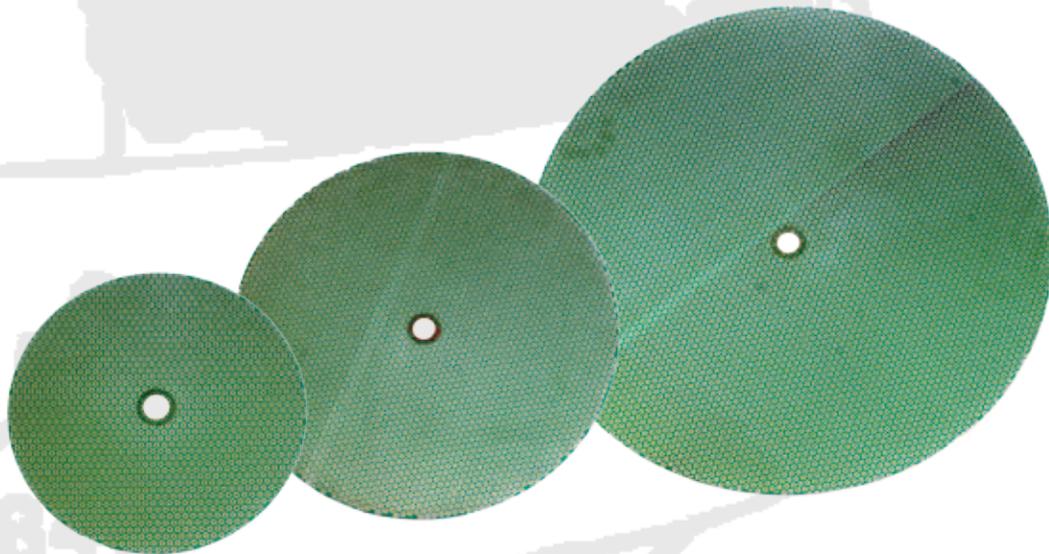


There are many different approaches to selecting the right accessories to pair with your Beveler / Grinder Unit. For those just starting out with a brand new unit, we recommend a Brand New User Kit (page 127) which includes two aggressive discs, a Resin smoothing disc, a Felt disc for polishing, Cerium Oxide for use with the Felt disc, all essential plumbing accessories, and a stand for the 12" unit.

ACCESSORIES: One of the advantages to buying a Covington Beveler & Grinder is the ability to quickly change tools and grinding pads without hassle. Covington Dot-Lap Discs provide wash out in between small grinding circles providing a more aggressive grind than other discs. Nickel Bonded Discs provide a continuous grinding surface across the face of the disc, and Resin Bonded Discs provide a smoothing effect on the surface of the glass. Cones and Domes add the ability to reach inner edges of bottles and curves. In order to smooth inside edges of bottles the ideal pairing would be a Fine Nickel Bonded Cone, with a Felt Cone used with Cerium Oxide for a final polish. There are many other applications and uses for Cones and Domes, and many other grits available to suit any need.

STORAGE: When it comes to storing tools for Beveler / Grinder Units make sure to completely wipe the discs and accessories down so no water remains on them. Then place them on a Magnetic Disc Organizer (see page 52) and allow them to dry.

*Do not leave magnetic backed discs on unit after use. This will cause them to stick to the plate, and cause imperfections on the surface. *For more information see page 42.



Covington Dot-Lap Discs are the perfect affordable grinding solution for quickly changing between grits while grinding. Spacing in between diamond circles allows for dust wash out and fresh water to keep piece from over heating.

12" Dot-Lap Magnetic Backed Diamond Discs

Order #	Grit	Price
1206DL	60g	\$175.00
1210DL	100g	\$145.00
1226DL	260g	\$120.00

18" Dot-Lap Magnetic Backed Diamond Discs

Order #	Grit	Price
1806DL	60g	\$350.00
1810DL	100g	\$305.00
1826DL	260g	\$280.00

24" Dot-Lap Magnetic Backed Diamond Discs

Order #	Grit	Price
2406DL	60g	\$576.00
2410DL	100g	\$493.00
2426DL	260g	\$462.00





GRINDING & CUTTING TOOLS

NICKEL BONDED DIAMOND DOME



Nickel Bonded Diamond Domes are an excellent choice for working bottles and inside curves. These domes are approximately 3-7/8" at base and 1-1/2" in height. Standard sizes available are: 1"-14 female and 5/8"-11 female. Cones are available in Coarse (100g), Medium (220g), and Fine (600g). All domes include a 3/16" center hole for through-shaft water systems.

Nickel Bonded Diamond Domes			
Order #	Grit	Weight	Price
DND100	100g/Coarse	4 lbs.	\$150.00
DND220	220g/Medium	4 lbs.	\$150.00
DND600	600g/Fine	4 lbs.	\$150.00

NICKEL BONDED DIAMOND CONE



Nickel Bonded Diamond Cones are an excellent choice for working bottles and inside curves. These cones are approximately 3" at base and 3" in height. Standard sizes available are: 1"-14 female and 5/8"-11 female. Cones are available in Coarse (100g), Medium (220g), and Fine (600g). All cones include a 3/16" center hole for through-shaft water systems.

Nickel Bonded Diamond Cones			
Order #	Grit	Weight	Price
DNC100	100g/Coarse	3 lbs.	\$135.00
DNC220	220g/Medium	3 lbs.	\$135.00
DNC600	600g/Fine	3 lbs.	\$135.00

WATER FEED DRILL ASSEMBLY

*Shaft is NOT
Stainless Steel
- Use with a
Koolerant

*Price Includes
a set of Collets



Covington's new Water Feed Drill Assembly features a through shaft water feed that provides water directly to the core drill while flushing debris away from the work area. Never use a household water source; use a submersible pump to supply water to the system. Available in two options: 3/4"-12 female threading for brass core drill inserts, or with collet for a variety of core drill shank sizes.



Water Feed Drill Assembly #2		
Order #	Weight	Price
CWFA02	2 lbs.	\$199.95

Water Feed Drill Assembly		
Order #	Weight	Price
CWFA01	2 lbs.	\$165.00



SMOOTHING & POLISHING TOOLS

RESIN BONDED DIAMOND SMOOTHING CONES



Resin Bonded Diamond Cones are an excellent choice for working bottles and inside curves. These cones are approximately 3" at base and 3" in height. Standard sizes available are: 1"-14 female or male, 5/8"-11 female or male, and 1/2"-20 female or male. All cones are special order and will be shipped once manufactured, alternate sizes can be manufactured but will take an additional week. All cones are available in 100g, 220g, 325g, 600g, & 1,200g, and left or right hand threads.

Resin Bonded Diamond Smoothing Cones			
Order #	Specify Grit	Weight	Price
DRC100	100g	3 lbs.	\$97.00
DRC220	220g	3 lbs.	\$97.00
DRC325	325g	3 lbs.	\$97.00
DRC600	600g	3 lbs.	\$97.00
DRC120	1,200g	3 lbs.	\$97.00

RESIN BONDED DIAMOND SMOOTHING DOMES



Resin Bonded Diamond Domes are an excellent choice for working bottles and inside curves. These domes are approximately 4" at base and 2-1/2" in height. Standard sizes available are: 1"-14 female or male, 5/8"-11 female or male, and 1/2"-20 female or male. All domes are special order and will be shipped once manufactured, alternate sizes can be manufactured but will take an additional week. All domes are available in 100g, 220g, 325g, 600g, & 1,200g, and left or right hand threads.

Resin Bonded Diamond Smoothing Domes			
Order #	Specify Grit	Weight	Price
DRD100	100g	3 lbs.	\$135.00
DRD220	220g	3 lbs.	\$135.00
DRD325	325g	3 lbs.	\$135.00
DRD600	600g	3 lbs.	\$135.00
DRD120	1,200g	3 lbs.	\$135.00

FELT CONES & DOMES

Felt Cones and Domes are an excellent choice for working bottles and inside curves. The cones are approximately 3" at base and 3" in height, and the domes are approximately 4-1/2" at the base and 1-1/2" in height. Each comes with a 5/8"-11 male brass thread to fit a 5/8"-11 female thread. Use in combination with cerium oxide to achieve a high, optically-clear polish.



3" x 3" Felt Cone		
Order #	Weight	Price
CFCO01	2 lbs.	\$125.00



4-1/2" x 1-1/2" Felt Dome		
Order #	Weight	Price
CFDO01	3 lbs.	\$125.00





MAGNETIC BACKED DISCS

NICKEL BOND DIAMOND DISCS

NICKEL BONDED DIAMOND DISCS



Magnetic Backed Diamond Discs are super-fast to change and available in a wide selection to suit any grinding and polishing need. These discs have a 1" hole to center on plate. Use in combination with Covington's 12", 18" or 24" Horizontal Grinder/Beveler for optimum performance.

12" Nickel Bond Magnetic Backed Diamond Discs		
Order #	Grit	Price
NB1204	45g	\$316.75
NB1206	60g	\$237.75
NB1208	80g	\$220.00
NB1210	100g	\$200.25
NB1214	140g	\$195.00
NB1220	200g	\$175.00
NB1227	270g	\$156.25
NB1232	325g	\$156.25
NB1250	500g	\$156.25

18" Nickel Bond Magnetic Backed Diamond Discs		
Order #	Grit	Price
NB1804	45g	\$640.25
NB1806	60g	\$469.75
NB1808	80g	\$441.00
NB1810	100g	\$423.50
NB1814	140g	\$415.75
NB1820	200g	\$387.25
NB1827	270g	\$363.00
NB1832	325g	\$363.00
NB1850	500g	\$363.00

24" Nickel Bond Magnetic Backed Diamond Discs		
Order #	Grit	Price
NB2404	45g	\$998.95
NB2406	60g	\$741.50
NB2408	80g	\$676.50
NB2410	100g	\$616.00
NB2414	140g	\$597.50
NB2420	200g	\$563.25
NB2427	270g	\$529.25
NB2432	325g	\$529.25
NB2450	500g	\$529.25

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MAGNETIC BACKED DISCS

RESIN BOND DIAMOND DISCS



RESIN BONDED DIAMOND DISCS



12" Resin Bond Magnetic Backed Diamond Discs

Order #	Grit	Color	Price
RB1210	100g	Black	\$94.00
RB1220	220g	Purple	\$94.00
RB1232	325g	Maroon	\$94.00
RB1260	600g	Red	\$94.00
RB1212	1,200g	Blue	\$94.00

18" Resin Bond Magnetic Backed Diamond Discs

Order #	Grit	Color	Price
RB1810	100g	Black	\$136.95
RB1820	220g	Purple	\$136.95
RB1832	325g	Maroon	\$136.95
RB1860	600g	Red	\$136.95
RB1812	1,200g	Blue	\$136.95

24" Resin Bond Magnetic Backed Diamond Discs

Order #	Grit	Color	Price
RB2410	100g	Black	\$225.50
RB2420	220g	Purple	\$225.50
RB2432	325g	Maroon	\$225.50
RB2460	600g	Red	\$225.50
RB2412	1,200g	Blue	\$225.50

SYNTHETIC FELT DISCS



12" Magnetic Backed Synthetic Felt Discs

Order #	Grit	Price
FELT12	Felt	\$51.75

18" Magnetic Backed Synthetic Felt Discs

Order #	Grit	Price
FELT18	Felt	\$126.50

24" Magnetic Backed Synthetic Felt Discs

Order #	Grit	Price
FELT24	Felt	\$220.00

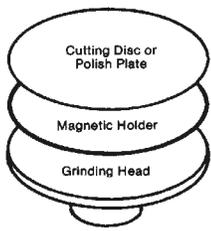
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DIAMOND DISCS

DIAMOND ABRASIVE SYSTEM

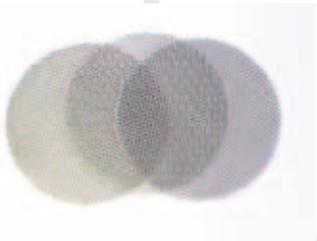


Covington's Diamond Abrasive System is a magnetic mounting system that uses one head for all grinding operations. Simply attach the adhesive-backed, flexible magnetic holder to the grinding head. No additional adhesive, or shaft nuts are required and is now ready to take diamond cutting discs. Center the disc on the magnet and it is ready to use. Use the coarse disc (100g) to remove large amounts of material. Use the medium disc (220g) to improve the surface finish and prepare the piece for finer grinding. The fine disc (600g) quickly removes the medium finish and prepares the surface for pre-polish. Diamond Compound can be used as a pre-polish (8,000mesh) or final polish (14,000mesh to 50,000mesh) on a polish plate.



8" Magnetic Disc		
Order #	Weight	Price
CDAH08	1 lb.	\$36.00

10" Magnetic Disc		
Order #	Weight	Price
CDAH10	2 lbs.	\$50.00



8" Perforated Diamond Discs		
Order #	Grit	Price
CDAC08	Coarse/100g	\$100.00
CDAM08	Medium/220g	\$90.00
CDAF08	Fine/600g	\$80.00
CDAS08	Set of All Three	\$243.00

10" Perforated Diamond Discs		
Order #	Grit	Price
CDAC10	Coarse/100g	\$150.00
CDAM10	Medium/220g	\$138.00
CDAF10	Fine/600g	\$126.00
CDAS10	Set of All Three	\$373.00

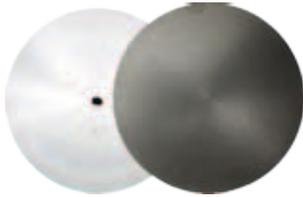


8" Polish Plate		
Order #	Weight	Price
CAPPO8	1 lb.	\$15.00

10" Polish Plate		
Order #	Weight	Price
CAPP10	2 lbs.	\$20.00



FULL FACE LAP PLATES



Covington's Full Face Lap Plates are nickel electroplated for superior bonding of diamonds and longer life. These are the same plates used with the 6" Cab Kings. Each disc is attached to a backing plate and has a 1/4"-20 mounting post.

Full Face Lap Plates			
Grit	Order #	Weight	Price
60g	FFL606	3 lbs.	\$78.00
80g	FFL608	3 lbs.	\$74.00
100g	FFL610	3 lbs.	\$66.00
180g	FFL618	3 lbs.	\$62.00
360g	FFL636	3 lbs.	\$56.00
600g	FFL660	3 lbs.	\$50.00

DIAMOND FACETING DISCS

Diamond Faceting Discs are designed for both commercial and hobbyist applications. These plated steel discs are used for faceting, glass grinding, intarsia, and general lapidary applications. The discs attach to backing plates with contact cement for permanent mounting, and are also available with a backing plate attached.



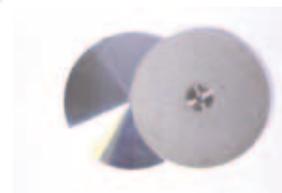
6" Faceting Discs		
Grit	Order #	Price
60g	CFL606	\$50.00
80g	CFL608	\$46.00
100g	CFL610	\$38.00
180g	CFL618	\$34.00
260g	CFL626	\$28.00
360g	CFL636	\$28.00
600g	CFL660	\$22.00
1200g	CFL612	\$20.00
3000g	CFL630	\$50.00
Backing Plate	CBP006	\$30.00



8" Faceting Discs		
Grit	Order #	Price
60g	CFL806	\$60.00
80g	CFL808	\$56.00
100g	CFL810	\$48.00
180g	CFL818	\$44.00
260g	CFL826	\$36.00
360g	CFL836	\$36.00
600g	CFL860	\$32.00
1200g	CFL812	\$30.00
3000g	CFL830	\$60.00
Backing Plate	CBP008	\$40.00



6" Faceting Discs w/ Backing Plate		
Grit	Order #	Price
60g	CFB606	\$78.00
80g	CFB608	\$74.00
100g	CFB610	\$66.00
180g	CFB618	\$62.00
260g	CFB626	\$56.00
360g	CFB636	\$56.00
600g	CFB660	\$50.00
1200g	CFB612	\$48.00
3000g	CFB630	\$78.00



8" Faceting Discs w/ Backing Plate		
Grit	Order #	Price
60g	CFB806	\$94.00
80g	CFB808	\$90.00
100g	CFB810	\$82.00
180g	CFB818	\$78.00
260g	CFB826	\$70.00
360g	CFB836	\$70.00
600g	CFB860	\$66.00
1200g	CFB812	\$64.00
3000g	CFB830	\$94.00



DIAMOND DISCS

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CHOOSING AND USING A BLADE

Covington offers a variety of blades for every lapidary and glass cutting need.

LAPIDARY BLADES: When it comes to choosing a blade to use for cutting rocks and minerals there are a few options available. Covington's Gold Blade is an affordable option for those looking for a decent cut with a lower price tag. These blades have a higher concentration of diamond embedded into the metal which gives a better cut. Platinum 303 Blades are the next step up in price, and they produce a smoother cut, with minimum wasted material from the cut. These blades last longer and cut faster than ordinary notched-rim or plated diamond blades. Platinum 301 Blades are made with a higher concentration of diamond and a higher carbon content steel core for improved tension memory. The solid diamond sintered kerf provides better cutting performance and improved coolant flow. These are ideal for cutting harder stones such as Agate, Jade or Petrified Wood.

GLASS BLADES: Glass Blades are generally chosen based off of how much material is going to be lost to the blade. If you are looking for a blade to cut a variety of things with, look no further than Covington's Ultimate Glass Blade. Our latest model of glass blade, it is designed to trim glass, slice through bottles, millefiori chips, and more while minimizing chipping. This blade cuts with the quality of a Platinum Resin Blade, without the risk of the the blade being as fragile. If material loss is an issue, Covington's Platinum Thin Glass Blades provide an excellent solution for cutting precious stones and glass. This blade features a nickel electroplated rim and a strong spring steel core.

PRO TIP: In order to continue cutting, please dress your blade every 4-5 cuts. Dressing sticks are available on page 118 and extend the life of blades. Aluminum Oxide Dressing Blocks should be used if you are cutting glass. Silicon Carbide Dressing Blocks should be used if you are doing lapidary work. *See page 24 for more information.

COVINGTON'S GOLD BLADES



Covington's Gold Series Diamond Blades are excellent quality, commercial grade blades, designed for lapidary work. More diamonds in the notched rim and a stiffer core make this blade cut faster and maintain a longer use life. While this blade was designed for use on hard materials like agates, geodes, and petrified wood, it will cut soft materials such as glass superbly. The Gold Series blades are a great low cost choice. *Please specify arbor size when ordering, 1/2", 5/8", 3/4", or 1".

Covington's Gold Series Diamond Blades					
Order #	Diameter	Core/Rim	Arbor	Weight	Price
CGB006	6"	0.031/0.044	5/8"-1/2"	3 lbs.	\$18.00
CGB008	8"	0.031/0.044	5/8"-1/2"	3 lbs.	\$22.50
CGB010	10"	0.040/0.052	5/8"-1/2"	4 lbs.	\$38.00
CGB012	12"	0.050/0.070	1"-5/8"	6 lbs.	\$55.00
CGB014	14"	0.051/0.075	1"-5/8"	7 lbs.	\$88.00
CGB016	16"	0.064/0.094	1"-5/8"	9 lbs.	\$132.00
CGB018	18"	0.064/0.094	1"-3/4"	12 lbs.	\$165.00
CGB020	20"	0.071/0.098	1"-3/4"	14 lbs.	\$198.00
CGB024	24"	0.080/0.110	1"-3/4"	18 lbs.	\$299.00
CGB030	30"	0.095/0.115	1"	33 lbs.	\$605.00
CGB036	36"	0.095/0.115	1"	40 lbs.	\$880.00



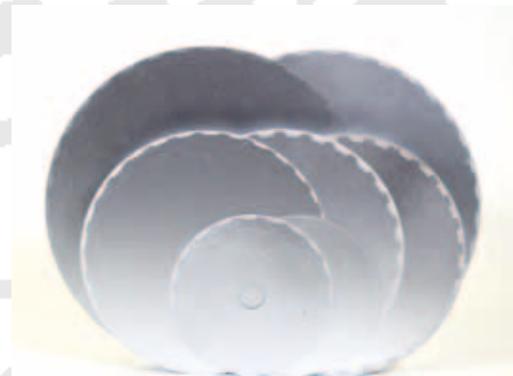
COVINGTON'S PLATINUM 5000 RESIN BONDED GLASS BLADE



Covington's Platinum Series Resin Bonded Diamond Blade is an excellent choice for cutting pyrex, glass, ceramic, and other materials where heat generation must be kept at a minimum. These 1/4" depth super-heavy diamond concentration blades give a smooth, cleaner cut than most plated blades can. These blades are commonly used by glass artists worldwide and are exceptional for cutting glass tube, bar, and rods. **WARNING: THESE BLADES ARE EXTREMELY FRAGILE.** *Please specify arbor size when ordering 1/2", 5/8", or 3/4".

Covington's Platinum 5000 Resin Bonded Glass Blade					
Order #	Diameter	Core Width	Arbor	Weight	Price
CP5007	7"	0.040	5/8"-1/2"	4 lbs.	\$154.00
CP5010	10"	0.062	5/8"-1/2"	5 lbs.	\$195.00
CP5012	12"	0.062	5/8"-1/2"	6 lbs.	\$240.00
CP5014	14"	0.072	3/4"-1/2"	8 lbs.	\$310.00

COVINGTON'S PLATINUM THIN GLASS BLADE



Covington's newest Platinum Thin Glass Blade Series is an excellent choice for cutting precious stones and glass. This blade features a nickel electroplated rim and a strong spring steel core. The thinness of the blade makes it a desirable alternative when waste must be kept to a minimum. *Please ask for a 1/2" bushing if needed.

Covington's Platinum Thin Glass Blade					
Order #	Diameter	Thickness	Arbor	Weight	Price
PGB407	4"	0.007	5/8"-1/2"	1 lb.	\$25.00
PGB416	4"	0.016	5/8"-1/2"	1 lb.	\$25.00
PGB611	6"	0.011	5/8"-1/2"	1 lb.	\$33.00
PGB616	6"	0.016	5/8"-1/2"	1 lb.	\$33.00
PGB632	6"	0.032	5/8"-1/2"	1 lb.	\$33.00
PGB816	8"	0.016	5/8"-1/2"	1 lb.	\$40.00
PGB831	8"	0.031	5/8"-1/2"	1 lb.	\$40.00



PLATINUM DIAMOND BLADES

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COVINGTON'S PLATINUM 301 BLADE



Covington's Platinum Series 301 Lapidary Blades are made with a higher diamond concentration and a higher carbon content steel core for improved tension memory. The solid diamond sintered kerf provides better cutting performance and improved coolant flow. Covington's Platinum 301 is an excellent choice for cutting hard materials such as agate, petrified wood, or jade. * Please specify arbor size when ordering.

Covington's Platinum 301 Blade					
Order #	Diameter	Core Width	Arbor	Weight	Price
CP3106	6"	0.025	5/8"-1/2"	2 lbs.	\$62.00
CP3108	8"	0.040	5/8"-1/2"	3 lbs.	\$85.00
CP3110	10"	0.040	5/8"-1/2"	3 lbs.	\$100.00
CP3112	12"	0.065	1"-5/8"	5 lbs.	\$155.00
CP3114	14"	0.065	1"-5/8"	7 lbs.	\$235.00
CP3116	16"	0.065	1"-5/8"	10 lbs.	\$300.00
CP3118	18"	0.085	1"-3/4"	12 lbs.	\$360.00
CP3120	20"	0.085	1"-3/4"	14 lbs.	\$400.00

COVINGTON'S PLATINUM 303 BLADE



Covington's Professional Grade 303 Platinum Series Blades, designed for lapidary materials, produces smooth cuts and is perfect for rare or valuable materials where minimum waste and a fast cut is essential. These blades last longer and cut faster than ordinary notched-rim or plated-diamond blades. * Please specify arbor size when ordering.

Covington's Platinum 303 Blade					
Order #	Diameter	Core Width	Arbor	Weight	Price
CP3304	4"	0.020	5/8"-1/2"	2 lbs.	\$42.00
CP3306	6"	0.032	5/8"-1/2"	2 lbs.	\$51.50
CP3308	8"	0.025	5/8"-1/2"	3 lbs.	\$60.00
CP3310	10"	0.032	5/8"-1/2"	3 lbs.	\$68.00
CP3312	12"	0.065	5/8"-1/2"	5 lbs.	\$175.00
CP3314	14"	0.065	1"-5/8"	7 lbs.	\$195.00
CP3316	*16"	0.085	1"-5/8"	10 lbs.	\$260.00
CP3318	*18"	0.085	1"-3/4"	12 lbs.	\$310.00
CP3320	*20"	0.100	1"-3/4"	14 lbs.	\$400.00
CP3324	*24"	0.100	1"	20 lbs.	\$690.00
CP3330	*30"	0.125	1"	40 lbs.	\$995.00
CP3336	*36"	0.200	1"	50 lbs.	\$1,500.00

*Indicates a segmented rim blade



SINTERED RED THIN RIM BLADES



Sintered Diamond Blades are a longer lasting blade compared to the notched rim. These blades are manufactured by embedding diamond grit directly into the metal matrix that forms the edge of the saw blade. Sintered blades are a better value than other blades because of their long life.

Covington's Red Thin Rim Sintered Blade					
Order #	Diameter	Core/Rim	Arbor	Weight	Price
CRS004	4"	0.016/0.023	5/8"-1/2"	1 lb.	\$24.00
CRS005	5"	0.012/0.015	5/8"-1/2"	1 lb.	\$30.00
CRS006	6"	0.012/0.020	5/8"-1/2"	2 lbs.	\$40.00
CRS008	8"	0.023/0.031	5/8"-1/2"	3 lbs.	\$70.00
CRS010	10"	0.031/0.038	5/8"-1/2"	3 lbs.	\$84.00
CRS012	12"	0.031/0.042	5/8"-1/2"	4 lbs.	\$116.00
CRS014	14"	0.039/0.045	5/8"-1/2"	5 lbs.	\$156.00
Best for General Stone Cutting					

SINTERED THICK RIM BLACK BLADES



Sintered Diamond Blades are a longer lasting blade compared to the notched rim. These blades are manufactured by embedding diamond grit directly into the metal matrix that forms the edge of the saw blade. Sintered blades are a better value than other blades because of their long life.

Covington's Black Thick Rim Sintered Blade					
Order #	Diameter	Core/Rim	Arbor	Weight	Price
CBS006	6"	0.031/0.044	5/8" - 1/2"	2 lbs.	\$44.00
CBS008	8"	0.031/0.044	5/8" - 1/2"	3 lbs.	\$60.00
CBS010	10"	0.040/0.052	5/8" - 1/2"	3 lbs.	\$70.00
CBS012	12"	0.050/0.070	1" - 5/8"	4 lbs.	\$90.00
CBS014	14"	0.050/0.070	1" - 5/8"	5 lbs.	\$110.00
Best for Agates and Geodes					



SINTERED BLADES

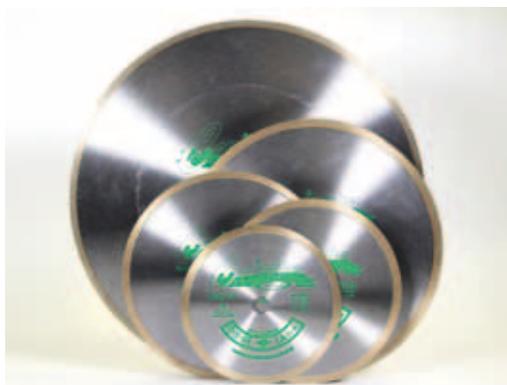
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COVINGTON'S ULTIMATE GLASS BLADE

GLASS BLADES



Covington's Ultimate Glass Blade is our latest model of glass blade. Designed specially for cutting glass, this blade will trim glass, slice through bottles, millefiori chips, and more with minimal chipping. *Please ask for a 1/2" bushing if needed.

Covington's Ultimate Glass Blade					
Order #	Diameter	Core Width	Arbor	Weight	Price
CUB006	6"	0.060	5/8" - 1/2"	2 lbs.	\$79.00
CUB007	7"	0.065	5/8" - 1/2"	3 lbs.	\$89.00
CUB008	8"	0.065	5/8" - 1/2"	3 lbs.	\$99.00
CUB010	10"	0.085	5/8" - 1/2"	3 lbs.	\$110.00
CUB014	14"	0.095	1" - 5/8"	8 lbs.	\$169.00

COVINGTON'S THIN RIM BLADES



Covington's Thin Rim Blades are high quality fast cutting blades designed for high-yield cutting of glass and precious materials. The price makes them quite affordable for any general-purpose use. Comes with 5/8" arbor. *Please ask for a 1/2" bushing if needed.

Covington's Thin Rim Blades					
Order #	Diameter	Core/Rim	Arbor	Weight	Price
PMB406	4"	0.006/0.009	5/8"-1/2"	1 lb.	\$5.00
PMB410	4"	0.010/0.013	5/8"-1/2"	1 lb.	\$5.00
PMB506	5"	0.006/0.009	5/8"-1/2"	1 lb.	\$6.00
PMB510	5"	0.010/0.015	5/8"-1/2"	1 lb.	\$6.00
PMB606	6"	0.006/0.009	5/8"-1/2"	1 lb.	\$7.00
PMB610	6"	0.010/0.012	5/8"-1/2"	1 lb.	\$7.00

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CHOOSING AND USING DIAMOND WHEELS



CHOOSING WHICH WHEEL IS RIGHT: Covington offers a variety of diamond wheels to accommodate a variety of grinding and polishing needs. The most common purchase for diamond wheels are Diamond Resin Wheels, which provide a low cost with a high quality diamond wheel. These wheels are the same ones that come standard on the Cab King Units, and are an excellent choice for capping and contour grinding. These wheels have a soft backing, providing slight flexibility while allowing for softer curves as it is a more forgiving surface. Diamond REZ Wheels are very similar to Resin Wheels, but have a premium resin binder that allows for a longer wheel life. These slightly more aggressive wheels require a small amount of breaking in before optimum use, but are still a very decent step up from the Resin Wheels. Standard Diamond Wheels are the grinding wheels that are featured on Covington's Diamond Grinding Units. These wheels are balanced and nickel electroplated to lengthen wheel life and are an excellent way to pre-form rough stone and glass material. With a fixed backing these wheels do not have flexibility with the diamond and are more aggressive than the Resin Wheels above. Covington Textured Diamond Wheels are very similar to the Standard Diamond Wheels, but have texturing on the diamond face which allows for better sediment wash-out. This effectively creates a more aggressive wheel than the standard wheel. Sintered Diamond Wheels are the most cost-effective grinding wheel. Under proper care, these wheels will outlast any of the other Diamond wheels. Made on a solid steel wheel, these rugged wheels will reduce the number of wheels used dramatically.

PRO TIP: If Sintered Wheel becomes glazed over, an aluminum oxide stick (page 118) can be used to reexpose the diamond. *This only applies to Sintered Diamond Wheels.

SINTERED DIAMOND WHEELS

Covington's 6" and 8" Sintered Grinding Wheels provide the most cost-effective, longest lasting way to grind and pre-form rough stone and glass. The sintered wheel is 3mm thick, equating almost 1/8" of diamond. Made on solid steel wheels and balanced.



Sintered 6" x 1-1/2"

Order #	Grit	Price
SD6030	30g	\$300.00
SD6080	60/80g	\$275.00
SD6120	100/120g	\$275.00
SD6180	180g	\$275.00
SD6220	220g	\$275.00
SD6360	360g	\$275.00
SD6600	600g	\$275.00

Shipping Weight: 5 lbs.

Sintered 8" x 1-1/2"

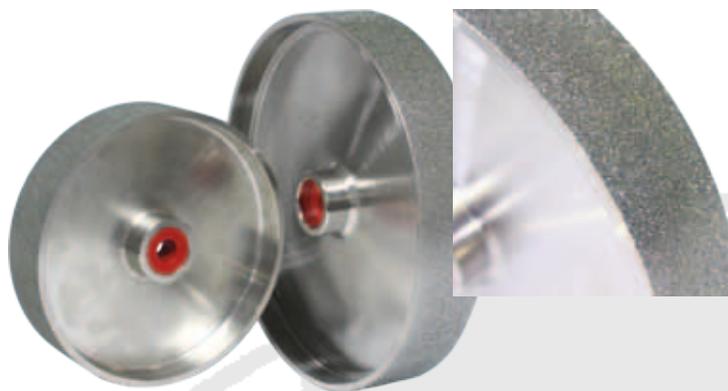
Order #	Grit	Price
SD8030	30g	\$400.00
SD8080	60/80g	\$340.00
SD8120	100/120g	\$340.00
SD8180	180g	\$340.00
SD8220	220g	\$340.00
SD8360	360g	\$340.00
SD8600	600g	\$340.00

Shipping Weight: 9 lbs.





STANDARD DIAMOND WHEELS



Covington's 6" and 8" Standard Diamond Grinding Wheels are an excellent way to pre-form rough stone and glass material. These solid steel wheels are balanced and nickel electroplated to lengthen wheel life. These are the same heavy-duty wheels mounted on all Covington diamond grinding units.

Standard 6" x 1-1/2"		
Order #	Grit	Price
DW6060	60g	\$135.00
DW6080	80g	\$126.00
DW6100	100g	\$117.00
DW6180	180g	\$114.00
DW6220	220g	\$114.00
DW6360	360g	\$108.00
DW6600	600g	\$99.00

Shipping Weight: 3 lbs.

Standard 8" x 1-1/2"		
Order #	Grit	Price
DW8060	60g	\$180.00
DW8080	80g	\$166.00
DW8100	100g	\$153.00
DW8180	180g	\$150.00
DW8220	220g	\$150.00
DW8360	360g	\$144.00
DW8600	600g	\$135.00

Shipping Weight: 4 lbs.

TEXTURED DIAMOND WHEELS



Covington's 6" and 8" Textured Grinding Wheels are excellent tools for pre-forming rough stone and glass material. The texturing allows for better sediment wash-out. These balanced, solid steel wheels, are nickel electroplated to provide superior bonding of diamonds and a long life.

Textured 6" x 1-1/2"		
Order #	Grit	Price
TD6060	60g	\$180.00
TD6080	80g	\$171.00
TD6100	100g	\$153.00
TD6180	180g	\$150.00
TD6220	220g	\$150.00
TD6360	360g	\$144.00
TD6600	600g	\$135.00

Shipping Weight: 3 lbs.

Textured 8" x 1-1/2"		
Order #	Grit	Price
TD8060	60g	\$225.00
TD8080	80g	\$211.00
TD8100	100g	\$198.00
TD8180	180g	\$186.00
TD8220	220g	\$186.00
TD8360	360g	\$180.00
TD8600	600g	\$171.00

Shipping Weight: 4 lbs.

NICKEL PLATED DIAMOND WHEELS

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DIAMOND RESIN WHEELS



Covington's Diamond Resin Wheels are top quality soft wheels. These are the same wheels found on the 6" and 8" Cab Kings. These polishing wheels are an excellent choice for cabbing and contour grinding. All wheels have a 1" arbor hole and can be bushed to 1/2", 5/8", or 3/4" with supplied bushing.

6" x 1-1/2" Resin Wheels		
Order #	Grit	Price
DRW606	60g	\$60.00
DRW640	140g	\$55.00
DRW628	280g	\$55.00
DRW660	600g	\$55.00
DRW612	1,200g	\$55.00
DRW630	3,000g	\$55.00
DRW680	8,000g	\$55.00
DRW614	14,000g	\$55.00
Shipping Weight: 2 lbs.		

8" x 2" Resin Wheels		
Order #	Grit	Price
DRW806	60g	\$95.00
DRW840	140g	\$88.00
DRW828	280g	\$88.00
DRW860	600g	\$88.00
DRW812	1,200g	\$88.00
DRW830	3,000g	\$88.00
DRW880	8,000g	\$88.00
DRW814	14,000g	\$88.00
Shipping Weight: 3 lbs.		

DIAMOND REZ WHEELS



Covington's new Diamond REZ Wheels are top quality soft wheels. Similar to the resin wheel, these polishing wheels are an excellent choice for cabbing and contour grinding. These wheels feature a premium resin binder that allows for longer wheel life. These wheels require a break-in period. All wheels have a 1" arbor and supplied bushing

6" x 1-1/2" REZ Wheels		
Order #	Grit	Price
DRZ606	60g	\$85.00
DRZ640	140g	\$85.00
DRZ628	280g	\$85.00
DRZ660	600g	\$85.00
DRZ612	1,200g	\$85.00
DRZ630	3,000g	\$85.00
DRZ680	8,000g	\$85.00
DRZ614	14,000g	\$85.00
DRZ650	50,000g	\$85.00
Shipping Weight: 2 lbs.		

8" x 2" REZ Wheels		
Order #	Grit	Price
DRZ806	60g	\$125.00
DRZ840	140g	\$125.00
DRZ828	280g	\$125.00
DRZ860	600g	\$125.00
DRZ812	1,200g	\$125.00
DRZ830	3,000g	\$125.00
DRZ880	8,000g	\$125.00
DRZ814	14,000g	\$125.00
DRZ850	50,000g	\$125.00
Shipping Weight: 3 lbs.		



RESIN SOFT DIAMOND WHEELS

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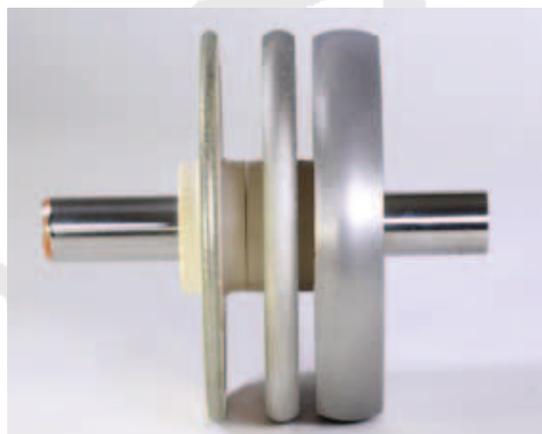
DIAMOND CARVING WHEELS

Covington's 2", 4", 6", and 8" Radius Carving and Grinding Wheels are designed for carving glass and stone. These nickel-plated, steel-rimmed diamond wheels are designed to provide excellent cutting and reliability to user. The convex grinding wheels are nickel electroplated to provide superior bonding of diamonds and promote a long life of use. All wheels come with a 1-3/16" wide plastic hub to reduce weight. These wheels are great for removing punty marks. All wheels come with 1" arbor hole and can be bushed to 1/2", 5/8", or 3/4" with supplied bushing.



Radius 2" x 1/4"		
Order #	Grit	Price
RD2210	100g	\$55.00
RD2218	220g	\$50.00
RD2236	360g	\$50.00
RD2260	600g	\$50.00
Shipping Weight: 1 lb.		

Radius 2" x 1/2"		
Order #	Grit	Price
RD2510	100g	\$65.00
RD2518	220g	\$60.00
RD2536	360g	\$60.00
RD2560	600g	\$60.00
Shipping Weight: 1 lb.		



Radius 6" x 1/4"		
Order #	Grit	Price
RD6210	100g	\$70.00
RD6218	220g	\$65.00
RD6236	360g	\$65.00
RD6260	600g	\$65.00
Shipping Weight: 2 lbs.		

Radius 6" x 1/2"		
Order #	Grit	Price
RD6510	100g	\$80.00
RD6518	220g	\$75.00
RD6536	360g	\$75.00
RD6560	600g	\$75.00
Shipping Weight: 2 lbs.		

Radius 6" x 1"			Radius 6" x 1-1/2"		
Order #	Grit	Price	Order #	Grit	Price
RD6110	100g	\$90.00	RD6100	100g	\$138.00
RD6118	220g	\$85.00	RD6180	220g	\$128.00
RD6136	360g	\$85.00	RD6360	360g	\$110.00
RD6160	600g	\$85.00	RD6600	600g	\$104.00
Shipping Weight: 2 lbs.			Shipping Weight: 2 lbs.		



DIAMOND CARVING WHEELS



DIAMOND CARVING WHEELS



Radius 4" x 1/4"		
Order #	Grit	Price
RD4210	100g	\$65.00
RD4218	220g	\$60.00
RD4236	360g	\$60.00
RD4260	600g	\$60.00

Shipping Weight: 2 lbs.

Radius 4" x 1/2"		
Order #	Grit	Price
RD4510	100g	\$75.00
RD4518	220g	\$70.00
RD4536	360g	\$70.00
RD4560	600g	\$70.00

Shipping Weight: 2 lbs.

Radius 4" x 1"		
Order #	Grit	Price
RD4110	100g	\$85.00
RD4118	220g	\$80.00
RD4136	360g	\$80.00
RD4160	600g	\$80.00

Shipping Weight: 2 lbs.



Radius 8" x 1/4"		
Order #	Grit	Price
RD8210	100g	\$125.00
RD8218	220g	\$115.00
RD8236	360g	\$115.00
RD8260	600g	\$115.00

Shipping Weight: 2 lbs.

Radius 8" x 1/2"		
Order #	Grit	Price
RD8510	100g	\$135.00
RD8518	220g	\$125.00
RD8536	360g	\$125.00
RD8560	600g	\$125.00

Shipping Weight: 2 lbs.

Radius 8" x 1"			Radius 8" x 1-1/2"		
Order #	Grit	Price	Order #	Grit	Price
RD8110	100g	\$150.00	RD8100	100g	\$190.00
RD8118	220g	\$140.00	RD8180	220g	\$180.00
RD8136	360g	\$140.00	RD8360	360g	\$170.00
RD8160	600g	\$140.00	RD8600	600g	\$150.00

Shipping Weight: 2 lbs.

Shipping Weight: 2 lbs.

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SILICON CARBIDE GRINDING WHEELS

SILICON CARBIDE WHEELS

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6" x 1/2"			
Order #	Grit	Weight	Price
SC1605	100g	4 lbs.	\$48.00



6" x 1"			
Order #	Grit	Weight	Price
SC1610	100g	5 lbs.	\$55.00
SC2610	220g	5 lbs.	\$60.00



8" x 5/8"			
Order #	Grit	Weight	Price
SC1858	100g	5 lbs.	\$60.00
SC2858	220g	5 lbs.	\$65.00



8" x 1-1/2"			
Order #	Grit	Weight	Price
SC1815	100g	8 lbs.	\$95.00
SC2815	220g	8 lbs.	\$105.00



10" x 3/4"			
Order #	Grit	Weight	Price
SC1075	100g	8 lbs.	\$100.00
SC2075	220g	8 lbs.	\$105.00



10" x 1-1/2"			
Order #	Grit	Weight	Price
SC2015	220g	11 lbs.	\$105.00



EXPANDABLE DRUMS

Covington's Expandable Drums feature angled slots through the heavy rubber rim which allow the drum to expand when rotated, thereby locking the belt in place. Belts can be quickly changed by stopping the machine, slipping off the old one and sliding on the new one. In use, the resilient drum surface flexes to the gemstones contour to quickly remove grinding flats. Run at a maximum speed of 1725rpm.



*Pictured with 1-80g silicon carbide belt on left and 1-1200g diamond belt (blue) on right.

*Pictured with 1-220g diamond belt (purple) on left and 1-220g silicon carbide belt on right.

6" x 2-1/2" Expandable Drums

Order #	Weight	Price
CED625	5 lbs.	\$65.00

8" x 3" Expandable Drums

Order #	Weight	Price
CED830	7 lbs.	\$75.00

LEVER-LOCK DRUMS

Covington's Lever-Lock Drums are made of sturdy cast aluminum and balanced to reduce vibration. The 3" rim is covered with sponge rubber. The lock area is threaded for setscrew-operated clamp, just loosen to remove the old cloth and retighten to secure the new. This drum comes with a 220g wet/dry sanding cloth installed. *Specify bore size when ordering, 1/2", 5/8", 3/4", or 1".



8" x 3" Lever-Lock Drum

Order #	Smooth Bore Size	Price
LLD452	1/2", 5/8", 3/4", or 1"	\$80.00

8" x 3" Lever-Lock Drum

Order #	Thread	Price
LLD458	1"-14RHT	\$84.00



EXPANDABLE AND LEVER-LOCK DRUMS

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CORK POLISHING WHEELS

Cork wheels are designed for polishing glass. When combined with a fine pumice, these wheels will give a cloudy finish to any piece of glass.



6" x 1-1/2" Cork Wheel		
Order #	Weight	Price
CCW615	2 lbs.	\$93.00



8" x 1-1/2" Cork Wheel		
Order #	Weight	Price
CCW815	3 lbs.	\$125.00



10" x 2" Cork Wheel		
Order #	Weight	Price
CCW102	6 lbs.	\$153.00



16" x 3" Cork Wheel		
Order #	Weight	Price
CCW163	8 lbs.	\$175.00

FELT POLISHING WHEELS

Felt wheels are designed for polishing glass. When combined with cerium oxide, these wheels will give an optically clear finish to your glass. Charge wheels by spinning them and painting the face with a creamy cerium oxide and water solution.



6" x 1" Felt Wheel		
Order #	Weight	Price
CFW610	2 lbs.	\$45.00



8" x 1-1/2" Felt Wheel		
Order #	Weight	Price
CFW815	3 lbs.	\$110.00



10" x 2" Felt Wheel		
Order #	Weight	Price
CFW102	6 lbs.	\$230.00



16" x 3" Felt Wheel		
Order #	Weight	Price
CFW163	17 lbs.	\$825.00



POLISHING BUFFS



POLISHING BUFFS



30 Ply - 3/8" Running Face

3" x Pin Hole 2-Row Buff		
Order #	Weight	Price
MPB330	1 lb.	\$2.50



40 Ply - 1/2" Running Face

4" x Pin Hole Yellow Treated 2-Row Buff		
Order #	Weight	Price
MPB440	1 lb.	\$4.00



30 Ply - 1/2" Running Face

4" x Pin Hole Cotton Flannel 2-Row Buff		
Order #	Weight	Price
MPB430	1 lb.	\$5.50



50 Ply - 1/2" Running Face

6" x Pin Hole 2-Row Buff		
Order #	Weight	Price
MPB650	1 lb.	\$6.00



20 Ply - 1/4" Running Face

6" x 1/2" 2-Row Buff		
Order #	Weight	Price
MPB620	1 lb.	\$6.00



20 Ply - 1/4" Running Face

6" x 1" Spiral Buff		
Order #	Weight	Price
MPB621	1 lb.	\$6.00



20 Ply - 1/4" Running Face

8" x 1" Spiral Buff		
Order #	Weight	Price
MPB820	1 lb.	\$9.45

Use Covington's polishing buffs in combination with a polishing powder bar to achieve brilliant results on silver, gold, brass, and other metal findings.

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DRESSING TOOLS



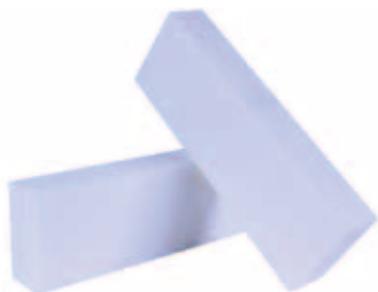
The Covington T-Bar Dresser is an excellent tool for truing silicon carbide wheels.

T-Bar Diamond Dresser		
Order #	Weight	Price
CTB200	1 lb.	\$15.00



The 220g stick is ideal for Resin Blades,

220g Aluminum Oxide Stick		
Order #	Weight	Price
AOD220	1 lb.	\$6.50



The 80g Aluminum Oxide Stick is ideal for any glass blade that requires dressing to restore cutting action.

80g Aluminum Oxide Block		
Order #	Weight	Price
AODB80	1 lb.	\$12.25



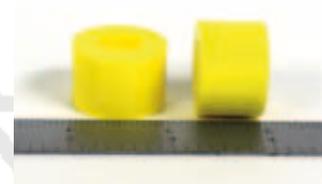
The 220g Block will scour away glaze coating and expose the diamond cutting edges of a saw blade restoring cutting action. *Please note: it may take several cuts to deglaze the blade.

220g Silicon Carbide Block		
Order #	Weight	Price
SCB522	1 lb.	\$12.25
SCB518	1 lb.	\$12.25

TELESCOPIC BUSHINGS



1/2" Telescopic Bushing		
Order #	Weight	Price
CYB012	0.25 lbs.	\$1.00



3/4" Telescopic Bushings		
Order #	Weight	Price
CYB034	0.25 lbs.	\$1.00

Yellow telescopic bushings are stack bushings that allow a wheel to be bushed to 3/4", 5/8", and 1/2" shafts. Available in three widths to custom fit any wheel.



1" Telescopic Bushings		
Order #	Weight	Price
CYB001	0.25 lbs.	\$1.00



RUBBER

All Rubber comes slightly oversized to insure a fit on all disc or wheel sizes. Simply glue with contact cement and cut off excess.



6" Sponge Rubber

Order #	Weight	Price
CSR406	1 lb.	\$2.50



8" Sponge Rubber

Order #	Weight	Price
CSR408	1 lb.	\$3.45



10" Sponge Rubber

Order #	Weight	Price
CSR410	1 lb.	\$4.40



3" x 25-1/2" Sponge Rubber

Order #	Weight	Price
CSR325	1 lb.	\$4.40



6" Hard Rubber

Order #	Weight	Price
CHR406	1 lb.	\$2.50



10" Hard Rubber

Order #	Weight	Price
CHR410	1 lb.	\$3.45



8" Hard Rubber

Order #	Weight	Price
CHR408	1 lb.	\$4.40

FEATHERING DISC ADHESIVE



Covington's uses Feathering Disc Adhesive for all "Stick-N-Peel" applications. It is used to attach sanding and buffing discs to a backing plate. This adhesive is easy to apply, and available in 5-ounce tubes.

Feathering Disc Adhesive

Order #	Weight	Price
FDA041	1 lb.	\$24.95



RUBBER & ADHESIVE

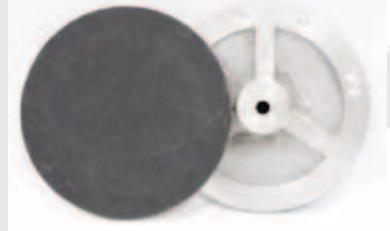
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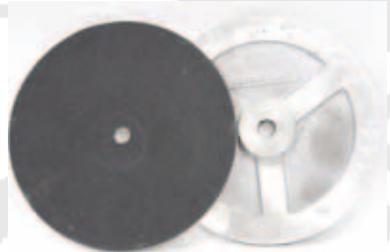
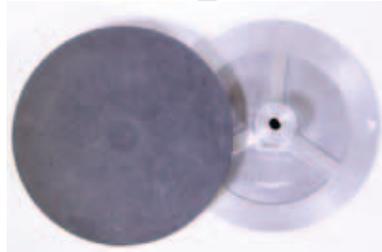
ALUMINUM HEADS

Covington's 6", 8", and 10" Aluminum Heads are made from aluminum castings, machined true and balanced for smooth and vibration free operation. The face of each head is covered with resilient rubber. Attach a sanding or polishing disc to the rubber face with "Stick-N-Peel" adhesive and it is ready to use. Allow an additional week for special orders. *Please note when ordering, state left or right hand threads and specify sponge or hard rubber. Not all common thread sizes are listed, but are available for an additional \$10.00 set up fee.



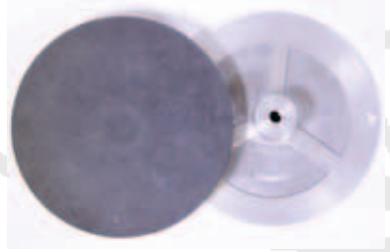
1/2" Smooth w/ 2 Set Screws			
Order #	Diameter	Weight	Price
CAH612	6"	3 lbs.	\$45.00
CAH812	8"	4 lbs.	\$65.00
CAH112	10"	5 lbs.	\$75.00

1/2"-20 Thread			
Order #	Diameter	Weight	Price
CAH620R	6" Right	3 lbs.	\$45.00
CAH620L	6" Left	3 lbs.	\$45.00
CAH820R	8" Right	4 lbs.	\$65.00
CAH820L	8" Left	4 lbs.	\$65.00
CAH120R	10" Right	5 lbs.	\$75.00
CAH120L	10" Left	5 lbs.	\$75.00



5/8" Smooth w/ 2 Set Screws			
Order #	Diameter	Weight	Price
CAH658	6"	3 lbs.	\$45.00
CAH858	8"	4 lbs.	\$65.00
CAH158	10"	5 lbs.	\$75.00

5/8" Smooth No Hub for 690 & 691			
Order #	Diameter	Weight	Price
CAH690	8"	4 lbs.	\$65.00
CAH691	10"	5 lbs.	\$75.00



6" Aluminum heads are NOT available with bore sizes larger than 5/8" because the size of the hub prevents it.

5/8"-18 Thread			
Order #	Diameter	Weight	Price
CAH618R	6" Right	3 lbs.	\$45.00
CAH618L	6" Left	3 lbs.	\$45.00
CAH818R	8" Right	4 lbs.	\$65.00
CAH818L	8" Left	4 lbs.	\$65.00
CAH118R	10" Right	5 lbs.	\$75.00
CAH118L	10" Left	5 lbs.	\$75.00

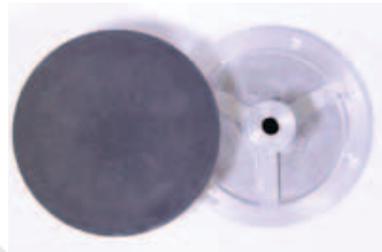
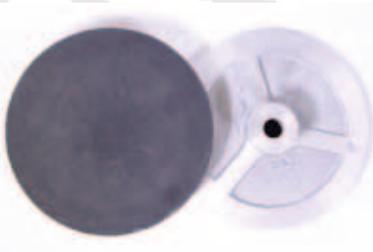


ALUMINUM HEADS



ALUMINUM HEADS

Covington's 6", 8", and 10" Aluminum Heads are made from aluminum castings, machined true and balanced for smooth and vibration free operation. The face of each head is covered with resilient rubber. Attach a sanding or polishing disc to the rubber face with "Stick-N-Peel" adhesive and it is ready to use. Allow an additional week for special orders. *Please note when ordering, state left or right hand threads, and specify sponge or hard rubber. Not all common thread sizes are listed, but are available for an additional \$10.00 set up fee.



3/4" Smooth w/ 2 Set Screws

Order #	Diameter	Weight	Price
CAH834	8"	4 lbs.	\$65.00
CAH134	10"	5 lbs.	\$75.00

3/4"-16 Thread

Order #	Diameter	Weight	Price
CAH816R	8" Right	4 lbs.	\$65.00
CAH816L	8" Left	4 lbs.	\$65.00
CAH116R	10" Right	5 lbs.	\$75.00
CAH116L	10" Left	5 lbs.	\$75.00



1" Smooth w/ 2 Set Screws

Order #	Diameter	Weight	Price
CAH810	8"	4 lbs.	\$65.00
CAH110	10"	5 lbs.	\$75.00

10" Head, 1"-8 Thread, No Hub for 350

Order #	Accessory	Weight	Price
CAH350	N/A	4 lbs.	\$75.00
ASD334	Sand Disc	4 lbs.	\$78.50
APD336	Leather	4 lbs.	\$83.50
APB338	Felt	4 lbs.	\$98.50



1"-14 Thread

Order #	Diameter	Weight	Price
CAH814R	8" Right	4 lbs.	\$65.00
CAH814L	8" Left	4 lbs.	\$65.00
CAH114R	10" Right	5 lbs.	\$75.00
CAH114L	10" Left	5 lbs.	\$75.00

The 10" aluminum heads for the 350 are available with just sponge rubber, or with a disc attached. If purchasing with a sand disc, please specify grit.

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SILICON CARBIDE SANDING SUPPLIES

Silicon Carbide Sanding Supplies are available in variety of styles, sizes, and grits. These high quality products are available individually or in bulk. If you purchase 10 to 49 pieces the price drops per piece, and if you purchase more than 50 pieces the prices drops again.

Available in 60, 80, 100, 220, 320, 400, 600, 800, and 1000 grits.

*Mixing between different grits is allowed to receive bulk discount

DISCS



6" Silicon Carbide Discs			
Order #	1-9	10-49	50+
SCD006	\$1.85	\$1.45	\$1.20



8" Silicon Carbide Discs			
Order #	1-9	10-49	50+
SCD008	\$2.25	\$2.00	\$1.75



10" Silicon Carbide Discs			
Order #	1-9	10-49	50+
SCD010	\$3.75	\$3.25	\$2.75

SHEETS AND ROLLS



9" x 11" Sanding Sheets			
Order #	1-9	10-49	50+
SCS911	\$1.30	\$1.05	\$0.80



*Only stocked in 5 grits, any others are a special order and require an additional lead time.

3" x 15' Bulk Roll		
Order #	Grit	Price
WSCR15	100, 220, 400, 600, 800	\$13.25

SILICON CARBIDE SANDING SUPPLIES

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BELTS



SILICON CARBIDE BELTS



*For use with 6" Expandable Drums

2-1/2" x 6" Silicon Carbide Belts			
Order #	1-9	10-49	50+
WBL18G	\$1.80	\$1.60	\$1.35



*For use with Covington Sander Models 464, 465, & 466

3" x 24" Silicon Carbide Belts			
Order #	1-9	10-49	50+
WBL24G	\$2.25	\$2.00	\$1.80



*For use with 8" Expandable Drums and Covington Sander Model 460.

3" x 8" Silicon Carbide Belts			
Order #	1-9	10-49	50+
WBL25G	\$2.50	\$2.25	\$2.00



*For use with Covington Sander Models 760, 761, 762, & 764.

3" x 41-1/2" Silicon Carbide Belts			
Order #	1-9	10-49	50+
WBL41G	\$4.00	\$3.50	\$3.00



4" x 106" Silicon Carbide Belts			
Order #	1-9	10-49	50+
WBL106	\$11.20	\$9.00	\$7.25

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DIAMOND SANDING ACCESSORIES

Diamond sanding accessories are high quality discs and belts impregnated with diamond grit. Diamond sanding accessories are perfect for pre-polishing stones and glass. These high quality items are available in a variety of styles, sizes, and grits. Covington stocks 100g (black), 220g (purple), 325g (brown), 600g (red), 800g (green), and 1,200g (blue). 60g, 80g, 120g, 400g, 3,000g, 8,000g, 14,000g, and 50,000g are also available but may require 1 to 2 weeks extra as these are special orders. All grits are available in all sizes.

DISCS



6" Diamond Disc		
Order #	Grit	Price
DSD610	100 (black)	\$35.00
DSD622	220 (purple)	\$35.00
DSD632	325 (brown)	\$35.00
DSD660	600 (red)	\$35.00
DSD680	800 (green)	\$35.00
DSD612	1,200 (blue)	\$35.00

8" Diamond Disc		
Order #	Grit	Price
DSD810	100 (black)	\$55.00
DSD822	220 (purple)	\$55.00
DSD832	325 (brown)	\$55.00
DSD860	600 (red)	\$55.00
DSD880	800 (green)	\$55.00
DSD812	1,200 (blue)	\$55.00



10" Diamond Disc		
Order #	Grit	Price
DSD110	100 (black)	\$90.00
DSD122	220 (purple)	\$90.00
DSD132	325 (brown)	\$90.00
DSD160	600 (red)	\$90.00
DSD180	800 (green)	\$90.00
DSD112	1,200 (blue)	\$90.00



BELTS



2-1/2" x 6" Diamond Belt		
Order #	Grit	Price
DSB210	100 (black)	\$50.00
DSB220	220 (purple)	\$50.00
DSB232	325 (brown)	\$50.00
DSB260	600 (red)	\$50.00
DSB280	800 (green)	\$50.00
DSB212	1,200 (blue)	\$50.00

3" x 24" Diamond Belt		
Order #	Grit	Price
DSB310	100 (black)	\$75.00
DSB320	220 (purple)	\$75.00
DSB332	325 (brown)	\$75.00
DSB360	600 (red)	\$75.00
DSB380	800 (green)	\$75.00
DSB312	1,200 (blue)	\$75.00



3" x 8" Diamond Belt		
Order #	Grit	Price
DSB810	100 (black)	\$80.00
DSB820	220 (purple)	\$80.00
DSB832	325 (brown)	\$80.00
DSB860	600 (red)	\$80.00
DSB880	800 (green)	\$80.00
DSB812	1,200 (blue)	\$80.00

3" x 41-1/2" Diamond Belt		
Order #	Grit	Price
DSB410	100 (black)	\$130.00
DSB420	220 (purple)	\$130.00
DSB432	325 (brown)	\$130.00
DSB460	600 (red)	\$130.00
DSB480	800 (green)	\$130.00
DSB412	1,200 (blue)	\$130.00

LEATHER POLISHING DISCS



6" Leather Polishing Disc		
Order #	Weight	Price
LPD006	0.25 lbs.	\$3.70

8" Leather Polishing Disc		
Order #	Weight	Price
LPD008	0.25 lbs.	\$5.00



10" Leather Polishing Disc		
Order #	Weight	Price
LPD010	0.25 lbs.	\$7.75

*Covington only purchases the highest quality of leather for polishing purposes. Use the "rough" side for best polishing results. Leather and Cerium Oxide will polish a high percentage of stones. Check the Polishing Chart at the back of the catalog to see if Leather is a suitable carrier for the stone you're working!



DIAMOND SANDING BELTS

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CORK DISCS & BELTS

Cork polishing accessories are ideal for pre-polishing and final polishing glass. Cork combined with a fine pumice such as 2F will produce a hazy finish on glass. Embed the cork with the pumice by creating a pumice and water solution on the thick side and paint it on the cork face while the cork is spinning. This is the fastest and easiest way to charge the belt and begin using it.



Cork Polishing Discs		
Order #	Size	Price
CPD006	6"	\$4.00
CPD008	8"	\$7.00
CPD010	10"	\$8.95
Shipping Weight: 0.5 lbs.		



Cork Polishing Belts		
Order #	Size	Price
CPB218	2-1/2" x 6"	\$5.80
CPB324	3" x 24"	\$7.35
CPB325	3" x 8"	\$11.00
CPB341	3" x 41-1/2"	\$18.00
Shipping Weight: 0.5 lbs.		

FELT DISCS & BELTS

Felt accessories are designed for polishing glass. When used in combination with cerium oxide, felt accessories can bring an optically clear polish to almost any piece of glass. The fastest way to charge a belt or a disc is to make a cerium oxide and water solution and paint it directly on the spinning felt. Once the felt is charged a spray bottle filled with water and two tablespoons of cerium will continue to put polish on the belt or disc.



Felt Polishing Discs		
Order #	Size	Price
FPD006	6"	\$10.00
FPD008	8"	\$13.00
FPD010	10"	\$23.00
Shipping Weight: 0.5 lbs.		



Felt Polishing Belts		
Order #	Size	Price
FPB218	2-1/2" x 6"	\$20.00
FPB324	3" x 24"	\$27.50
FPB325	3" x 8"	\$30.00
FPB341	3" x 41-1/2"	\$40.00
Shipping Weight: 0.5 lbs.		



BEVELER / GRINDER KITS

NEW USER KIT



When purchasing a Beveler Grinder, there are a few items that are essential for initial set up. This kit includes:
 1 x submersible pump, 10' x 1/4" pipe, 1 x 100g Nickel Bond Disc or Dot Disc, 1 x 270g Nickel Bond Disc or Dot Disc,
 1 x 325g Resin Disc, 1 x Felt Polish Disc, 1 lb. of Cerium Oxide.

* 12 inch Version also comes with 1 x Beveler Grinder Stand

(Discount is only for listed accessories above, and cannot be exchanged for any other accessories.)

Brand New User Kit: Nickel Discs	
Order #	Price
BNG012	\$668.70
BNG018	\$1,121.40
BNG024	\$1,662.20

Brand New User Kit: Dot Lap Discs	
Order #	Price
BDG012	\$549.95
BDG018	\$875.00
BDG024	\$1,395.00

DISC KIT



This kit comes with the most commonly used grinding discs for the Beveler Grinder Units. Kit includes:
 1 x 100g Nickel Bond Disc or Dot Disc, 1 x 270g Nickel Bond Disc or Dot Disc,
 1 x 325g Resin Disc, 1 x Felt Polish Disc, & 1 lb. Cerium Oxide

(Discount is only for listed accessories above, and cannot be exchanged for any other accessories.)

Standard Disc Kit: Nickel Discs	
Order #	Price
SNG012	\$515.00
SNG018	\$1,062.70
SNG024	\$1,603.50

Standard Disc Kit: Dot Lap Discs	
Order #	Price
SDG012	\$402.50
SDG018	\$818.25
SDG024	\$1,345.00

BOTTLE KIT



This kit includes the essentials to start smoothing the interior edge of bottles and curves. Kit includes:
 1 x male to male adapter, 1 x Fine Diamond Cone, 1 x Felt Polishing Cone, 1 x 100g Nickel Bond Disc or Dot Disc,
 1 x 270g Nickel Bond Disc or Dot Disc, 1 x 325g Resin Disc, 1 x Felt Polish Disc, & 1 lb. Cerium Oxide

(Discount is only for listed accessories above, and cannot be exchanged for any other accessories.)

Bottle Grinding Kit: Nickel Discs	
Order #	Price
BNK012	\$825.00
BNK018	\$1,372.70
BNK024	\$1,913.50

Bottle Grinding Kit: Dot Lap Discs	
Order #	Price
BDK012	\$695.25
BDK018	\$1,113.00
BDK024	\$1,639.95



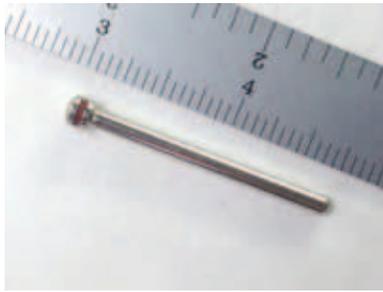
BEVELER / GRINDER KITS

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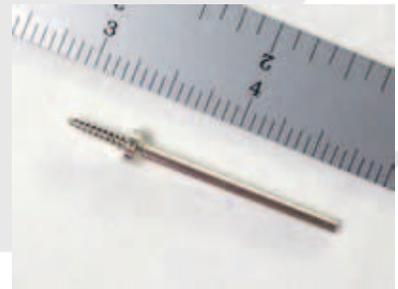


MANDRELS



M-1 3/32" Shank		
Order #	Size	Price
CSM001	1/16"	\$1.10

M-3 3/32" Shank		
Order #	Size	Price
CSM003	3/32"	\$1.00

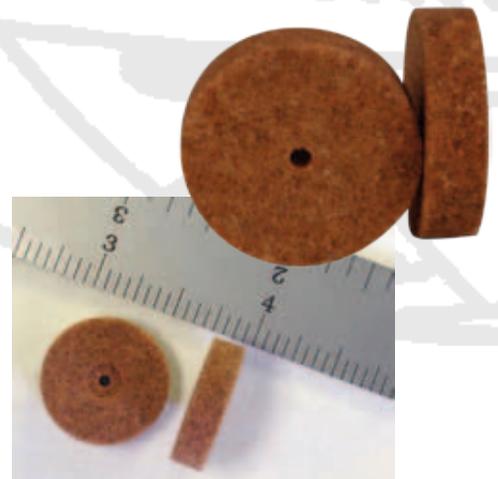
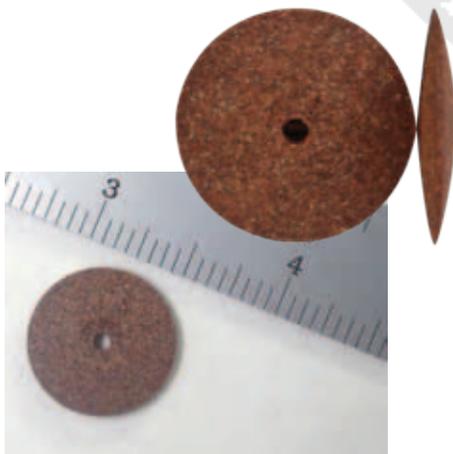


M-6 1/8" Shank		
Order #	Size	Price
CSM006	1/16"	\$1.10

M-7 1/8" Shank		
Order #	Size	Price
CSM007	1/8"	\$1.25

ALUMINUM OXIDE WHEELS

Aluminum Oxide Wheels (medium grit) are used for hard materials. They will fit either the M-1 or M-6 mandrels.



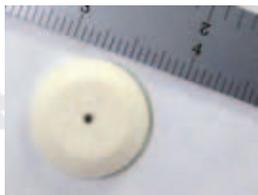
G-23 Tapered Wheel		
Order #	Size	Price
GGW023	3/4"	\$1.05

G-27 Square Edge Wheel		
Order #	Size	Price
GGW027	3/4"	\$1.05

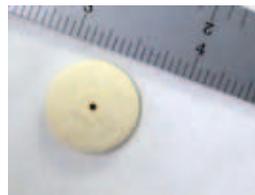


FELT WHEELS & POINTS

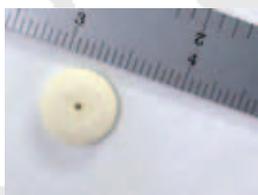
Felt Wheels and Points are used for buffing and polishing hard and soft metals, plastics, and painted surfaces. These are typically used in combination with a compound for desired effect and are excellent for polishing glass with cerium oxide. The wheels and points have a maximum speed rating of 15,000rpm.



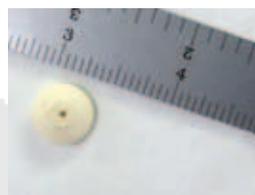
Knife Edge Felt Wheel		
Order #	Size	Price
KEW004	1"	\$1.35



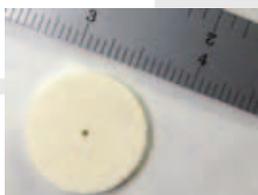
Knife Edge Felt Wheel		
Order #	Size	Price
KEW003	3/4"	\$1.25



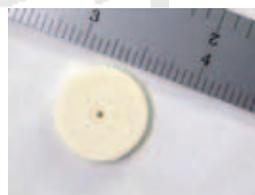
Knife Edge Felt Wheel		
Order #	Size	Price
KEW002	5/8"	\$1.15



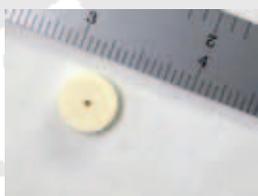
Knife Edge Felt Wheel		
Order #	Size	Price
KEW001	1/2"	\$1.05



Square Edge Felt Wheel		
Order #	Size	Price
SEW003	1"	\$0.70



Square Edge Felt Wheel		
Order #	Size	Price
SEW002	3/4"	\$0.60



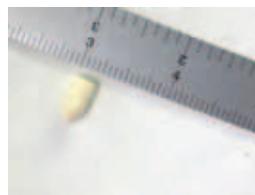
Square Edge Felt Wheel		
Order #	Size	Price
SEW001	1/2"	\$0.50



Hard Felt Cones		
Order #	Size	Price
HFC003	1/2"	\$1.25



Hard Felt Cones		
Order #	Size	Price
HFC002	3/8"	\$1.00



Hard Felt Cones		
Order #	Size	Price
HFC001	1/4"	\$0.75



FELT WHEELS & POINTS

JohnsonBrothersLapidity.com

JBFC.com





CRATEX WHEELS & CARVING TOOLS

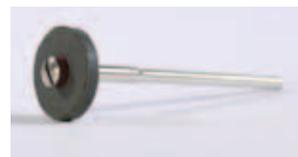
JohnsonBrothersLapidary.com
JBFC.com

CRATEX WHEELS

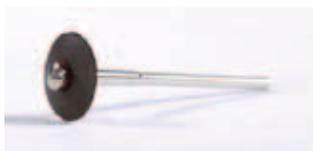
Cratex Wheels are individual rubber bonded abrasives for polishing, removing rust, etc. These wheels are available in 3 grits: coarse (green), medium (brown), fine (reddish-brown), and fit M-1 or M-6 mandrels. Maximum speed rating of 25,000rpm.



A-1 7/8" Wheel		
Order #	Grit	Price
CWAC78	Coarse	\$0.80
CWAM78	Medium	\$0.80
CWAF78	Fine	\$0.80



A-2 5/8" Wheel		
Order #	Grit	Price
CWAC58	Coarse	\$0.60
CWAM58	Medium	\$0.60
CWAF58	Fine	\$0.60



A-3 5/8" Tapered Wheel		
Order #	Grit	Price
CWTC58	Coarse	\$0.60
CWTM58	Medium	\$0.60
CWTF58	Fine	\$0.60



A-5 Extra Fine Wheel		
Order #	Grit	Price
CWA150	Extra Fine	\$5.25

DIAMOND CARVING TOOLS

These excellent quality 1" Diamond Cutting Discs can be used for slicing, grooving, roughing, and carving.



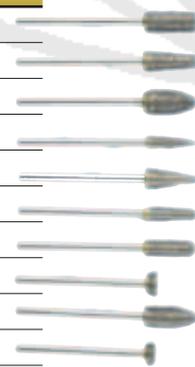
1" Diamond Cutting Disc		
Order #	Weight	Price
CTD001	1 lb.	\$2.00



Set of 5 Discs w/ Mandrel		
Order #	Weight	Price
CTD005	1 lb.	\$10.00

SINTERED CARVING TOOLS

Diamond Sintered Carving Tools		
Order #	Shape	Price
DBS114	Cylinder	\$12.00
DBS175	Tapered Cylinder	\$12.00
DBS274	Flame	\$12.00
DBS160	Point	\$12.00
DBS523	Cone	\$12.00
DBS200	Rounded Cone	\$12.00
DBS143	Rounded Cylinder	\$12.00
DBS014	Inverted Cone	\$12.00
DBS276	Bullet	\$12.00
DBS068	Rounded Disc	\$12.00
DBS001	Set of 10	\$100.00



SWISS PATTERN NEEDLE FILES

These Needle Files are made of hardened, tempered steel. Swiss Cut #2.



Set of 6 Files		
Order #	Weight	Price
SFL006	1 lb.	\$9.00



Set of Twelve Files		
Order #	Weight	Price
SFL012	1 lb.	\$17.00

DIAMOND NEEDLE FILES



180g Five File Set		
Order #	Weight	Price
NFP181	1 lb.	\$6.00



180g Five File Set		
Order #	Weight	Price
NFO182	1 lb.	\$7.00



180g Ten File Set		
Order #	Weight	Price
NFB183	1 lb.	\$20.00



180g Ten File Set		
Order #	Weight	Price
NFC184	2 lbs.	\$15.00



180g Five File Set		
Order #	Weight	Price
NFD185	2 lbs.	\$23.00



DIAMOND NEEDLE FILES

JohnsonBrothersLapidary.com
JBFC.com





EUROPEAN QUALITY PLIERS

These lap-joint European Quality Pliers are economically priced.



All purpose pliers with smooth jaws that have slightly rounded edges.

Chain Nose Plier		
Order #	Weight	Price
CPL150	1 lb.	\$6.00



Jaws are round and smooth for forming loops in wire.

Round Nose Plier		
Order #	Weight	Price
CPL152	1 lb.	\$6.00



Flat nose duck bill pliers with smooth jaws.

Flat Nose Plier		
Order #	Weight	Price
CPL154	2 lbs.	\$6.00

JEWELRY WIRE BENDER

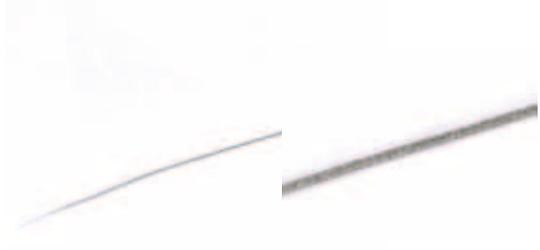
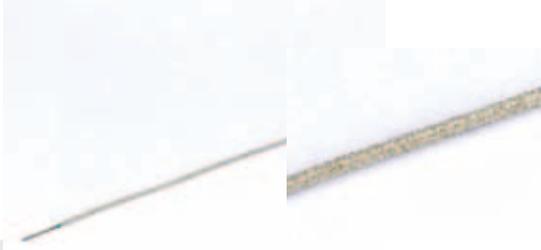


Covington's Jewelry Wire Bender is machined out of a solid piece of aluminum. It features two (2) mounting holes, four (4) removable dowel pins that assist in making almost any design, and a green anodized coating.

Jewelry Wire Bender		
Order #	Weight	Price
CJB068	1 lb.	\$15.75



DIAMOND JEWELER'S SAW BLADES



5" x 0.040 - 120 Mesh Blade		
Order #	Weight	Price
DWB040	1 lb.	\$2.00

5" x 0.030 - 180 Mesh Blade		
Order #	Weight	Price
DWB030	1 lb.	\$2.00

JEWELER'S SAW FRAME

This high-quality Saw Frame is made from tempered tool steel with a reinforced wooden handle. A large thumbscrew mounted on top allows easy tightening adjustments, while an additional adjustment nut at the front end provides an extra tight hold.



2-1/2" Deep Saw Frame		
Order #	Weight	Price
JSF002	2 lbs.	\$18.00

4" Deep Saw Frame		
Order #	Weight	Price
JSF004	2 lbs.	\$20.00

JEWELER'S SAW BLADES



The Swiss Acura® SCIES Jeweler's Saw Blades are 5-1/2" in length. These blades are used for cutting all metals, bone, pearl and other hard materials. Round backs make it easy to turn corners and follow curves. The teeth are uniform in size, shape and sharpness to assure fast, easy cutting.

Jeweler's Saw Blades					
Order #	Size	Thickness	Width	Price Dozen	Price Gross
JSB094	4/0	0.0086"	0.0175"	\$3.15	\$26.00
JSB093	3/0	0.0095"	0.0190"	\$3.15	\$26.00
JSB092	2/0	0.0103"	0.0204"	\$3.15	\$26.00
JSB091	1/0	0.0110"	0.0220"	\$3.15	\$26.00
JSB082	2	0.0134"	0.0276"	\$3.15	\$26.00
JSB083	3	0.0140"	0.0290"	\$3.15	\$26.00
JSB084	4	0.0150"	0.0307"	\$3.15	\$26.00



JEWELER'S SAWS & BLADES

JohnsonBrothersLapidary.com
JBFC.com





FEATURES

- ✓ 100-watts of bright incandescent light
- ✓ Cool outer shade
- ✓ Tough 24" durable flex arm

MOFFATT TASK LAMPS

- ✓ Innovative heat sink for longer switch life
- ✓ Unique, quick-coupler base
- ✓ White in color and includes mounting bracket



*The Moffatt Task Lamp is designed for rugged, industrial use. It features quality workmanship, durable construction and an innovative design.

Moffatt Task Lamp		
Order #	Weight	Price
CML100	8 lbs.	\$65.00

SAFETY GLASSES



Sperian® Millennia Sport™ Protective Eyewear features a polycarbonate, scratch-resistant lens with a curved temple and universal nose bridge. These goggles come with an adjustable, break-away retainer. ANSI Z87.1-2003, CSA Z94.3-2002, 99.9% UV Protection.

Recommended for all grinding applications.
Remember to always wear eye protection.

Safety Glasses		
Order #	Weight	Price
CSG015	0.5 lbs.	\$6.25

COVINGTON SHOP APRONS



Covington's original full-length Light Duty Shop Apron is made of vinyl for lasting durability. We now offer a dark green Heavy Duty Shop Apron that is cloth lined and designed to last longer than the light duty vinyl. Tie cords provide universal fit for all sizes. A handy pencil pocket is sewn into the light duty apron. Both are light in weight, pliable, and resist cracking in temperatures as low as 32 degrees Fahrenheit. A damp cloth is all that is needed to keep yours looking bright and clean.

Covington Light Duty Shop Aprons		
Order #	Logo	Price
CSA001	Original/Classic	\$5.25
CSA002	Modern Logo	\$5.25
CSA003	World Logo	\$5.25

Covington Heavy Duty Shop Aprons		
Order #	Logo	Price
CHDA01	Modern Logo	\$17.95
CHDA02	World Logo	\$17.95



GFCI PLUG



This Ground Fault Circuit Interrupter is designed with your safety in mind. Just plug your sander or other wet grinder into one of these portable GFCI Plugs and it will trip if it gets wet! This unit plugs right into your outlet effectively converting your outlet to GFCI.

GFCI Plug		
Order #	Weight	Price
CGFCI1	1 lb.	\$30.00

OPTIVISORS®



OptiVISORS® feature optical glass prismatic lenses, ground and polished to precision optical standards, with a beveled edge that is mounted in an interchangeable plastic frame. This unit features adjustable pivots that allow the visor to be tilted out of the way and at your fingertips when you need magnification. The adjustable headband conforms to fit all head sizes. A genuine leather comfort band is padded with orthopaedic felts to add comfort. Fabricated from a special blend of lightweight material, the band is comfortable when worn for long periods of time. The high impact visor provides a tough, durable, always new appearance.

OptiVISORS®			Lens Plates Only	
Order #	Description	Price	Order #	Price
DOL001	OptiLOUPE® Monocular Attachable Lens, adds 2-1/2X to all Models	\$12.00	-	-
DDA002	OptiVISOR® w/Lens Plate - Magnifies 1-1/2X at 20"	\$50.00	DLP002	\$32.00
DDA003	OptiVISOR® w/Lens Plate - Magnifies 1-3/4X at 14"	\$50.00	DLP003	\$32.00
DDA004	OptiVISOR® w/Lens Plate - Magnifies 2X at 10"	\$50.00	DLP004	\$32.00
DDA005	OptiVISOR® w/Lens Plate - Magnifies 2-1/2X at 8"	\$50.00	DLP005	\$32.00
DDA007	OptiVISOR® w/Lens Plate - Magnifies 2-3/4X at 6"	\$52.00	DLP007	\$35.00
DDA010	OptiVISOR® w/Lens Plate - Magnifies 3-1/2X at 4"	\$52.00	DLP010	\$35.00



SHOP ACCESSORIES

JohnsonBrothersLapidary.com
JBFC.com





WATER ACCESSORIES



Polyethylene tubing for water hook up.

10' of 1/4" Plastic Tubing		
Order #	Weight	Price
CPT014	1 lb.	\$3.70



Replacement water pads.

Water Pad		
Order #	Weight	Price
CWP001	1 lb.	\$1.00



Polyethylene tubing for drain kits.

10' of 5/8" Plastic Tubing		
Order #	Weight	Price
CPT058	1 lb.	\$6.00



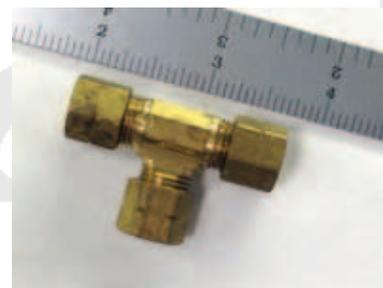
Screws onto the bottom of 'L' Valve

Spray Nozzle		
Order #	Weight	Price
CSN808	1 lb.	\$3.95



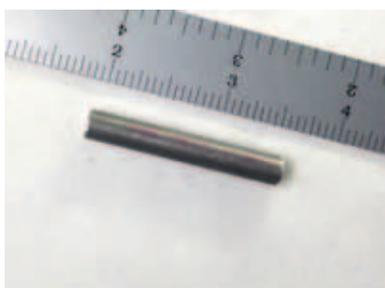
For connecting 'L' Valves into a manifold.

Single 'L' Union		
Order #	Weight	Price
BLU654	1 lb.	\$4.00



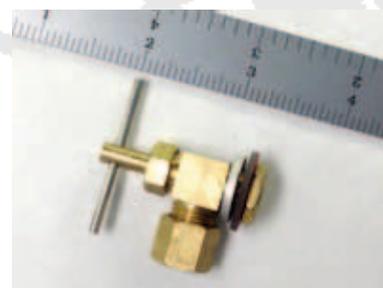
For connecting two or more pieces into a manifold

Single 'T' Union		
Order #	Weight	Price
BLU644	1 lb.	\$5.25



Aluminum tube for manifold spacing.

1-5/8" Aluminum Tubing		
Order #	Weight	Price
CAT158	1 lb.	\$1.00



For single wheel hoods and sanders

Single 'L' Valve		
Order #	Weight	Price
BLV488	1 lb.	\$7.40



WATER SUPPLY



WATER ACCESSORIES



Covington's Submersible Pump will pump 200 gallons per hour at 1-foot or 105 gallons per hour at 5-feet.

Water & Oil Pump		
Order #	Weight	Price
CSP805	6 lb.	\$100.00



Covington's Submersible Pump will pump 200 gallons per hour at 1-foot or 105 gallons per hour at 5-feet. Includes 10' of 1/4" tubing.

Water Only Pump		
Order #	Weight	Price
CSP806	5 lb.	\$55.00



Covington's Sander and Grinder Drain Kit comes with 6-feet of PVC and a 3/8" pipe adapter.

Sander/Grinder Drain Kit		
Order #	Weight	Price
CDK38P	3 lbs.	\$15.50



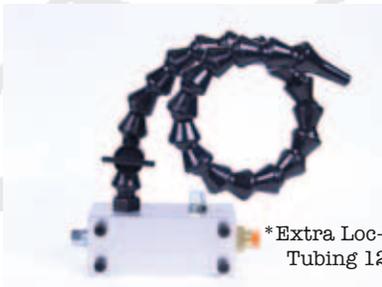
Covington's Maxi Lap Drain Kit comes with 6-feet of PVC and a 1/4" pipe adapter.

Maxi Lap Drain Kit		
Order #	Weight	Price
CDK14P	3 lbs.	\$25.00

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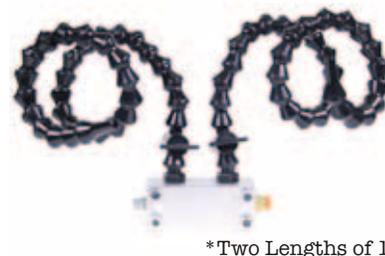
WATER MANIFOLD

Covington's Water Manifold is designed to mount the the side of any Covington machine that requires a constant stream of water utilizing four mounting holes. Four 1/8" Pipe threaded holes allow any combination of water input and output ports. Manifold comes with one (1) brass input valve, 12-inches of loc-line® flexible water tubing, one (1) loc-line® spray nozzle, one (1) loc-line® connector, one (1) loc-line® in-line valve, and two (2) plugs.



*Extra Loc-line® Flexible Water Tubing 12-inches Complete -\$12.00

Complete Water Manifold (12 inches total)		
Order #	Weight	Price
CWM012	2 lbs.	\$29.00



*Two Lengths of 18" Pictured

Complete Water Manifold (36 inches total)		
Order #	Weight	Price
CWM036	2 lbs.	\$50.00





WATER SUPPLY



Covington's Pressure Tank is ideal for the small workshop or wherever there is no water supply handy. Just fill the tank with water, hook up to brass valve, and pump. Works excellent on all Covington equipment with a valve and spray nozzle.

2 Gallon Pressure Tank			
Order #	Dimensions	Weight	Price
CPT200	9" x 9" x 25"	4 lbs.	\$25.00



The Complete Submersible Pump/Tank is a self-contained pump system that can eliminate city water hook-up for grinding units or supply mixed Koolerant and light mineral oil to diamond saws. This unit has a large capacity tank with two graduated dividers to separate sediment, and 10 feet of 3/8" vinyl tubing. Wheels on the tank make moving it easy. All pumps operate on 110V, are supplied with 3 prong grounded plug and cord (CSP805 pump), and pump 200GPH at 1ft, 105GPH at 5-feet. The tank holds approximately 17.5-gallons.

Complete Submersible Pump/Tank Unit			
Order #	Dimensions	Weight	Price
CKP620	37" x 26" x 16"	70 lbs.	\$350.00



EPOXY

Epoxy 330: A fast setting water clear adhesive that bonds gemstones to metal findings and provides an invisible bond for glass, china, ceramics, stone, metals, and other non-porous materials.

Epoxy 220: A slow setting amber clear adhesive that bonds gemstones to metal findings. It has ultimate tensile strength and resists thermal shock. It is also used in electronic and mechanical industries for superior bonding of non-porous components.



Amber Clear Epoxy		
Order #	Weight	Price
ACE220	1 lb.	\$5.00

Water Clear Epoxy		
Order #	Weight	Price
WCE330	1 lb.	\$5.00

ADHESIVES

Attack: Dissolves cured epoxy and polyester resins. It is used to separate misaligned bonded materials and for the cleanup of cured resin from metal, stone, glass, wood, and similar materials.



8-Ounce Attack Epoxy Remover		
Order #	Weight	Price
ATK008	2 lbs.	\$14.00

1/2-Gallon Attack Epoxy Remover		
Order #	Weight	Price
ATK064	7 lbs.	\$49.00



Seals and cements fractures. Gives structural strength to soft porous stone and aids in the filling of pits. Sealer is amber clear.

Opticon Fracture Sealer		
Order #	Weight	Price
OFS224	2 lbs.	\$24.00



ADHESIVES AND SOLVENTS

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Estwing® ROCKHOUND TOOLS



14-Ounce Rock Pick		
Order #	Weight	Price
ERP014	4 lbs.	\$37.00



22-Ounce Rock Pick		
Order #	Weight	Price
ERP022	5 lbs.	\$38.00



22-Ounce Long Handle Rock Pick		
Order #	Weight	Price
ERP023	5 lbs.	\$42.00



Hoe Pick		
Order #	Weight	Price
EGP100	7 lbs.	\$76.50



2 Pound Crack Hammer		
Order #	Weight	Price
ECHB32	4 lbs.	\$36.00



3 Pound Crack Hammer		
Order #	Weight	Price
ECHB33	5 lbs.	\$38.00



4 Pound Crack Hammer		
Order #	Weight	Price
ECHB34	6 lbs.	\$40.00

ROCK PRY BAR



*Not Estwing Brand

Rock Pry Bar		
Order #	Weight	Price
RPB001	3 lbs.	\$24.00

ROCKHOUND TOOLS

JohnsonBrothersLapidary.com
JBFC.com





Rock Chisel		
Order #	Weight	Price
ERC008	3 lbs.	\$23.00

Rock Chisel		
Order #	Weight	Price
ERC009	3 lbs.	\$23.00



Rock Chisel		
Order #	Weight	Price
ERC012	3 lbs.	\$23.00

Belt Sheath #3 Pointed Tip		
Order #	Weight	Price
ERS003	1 lb.	\$11.00



Belt Sheath #4 Chisel Edge		
Order #	Weight	Price
ERS004	1 lb.	\$11.00

10" Steel Gold Pan		
Order #	Weight	Price
CGP010	4 lbs.	\$6.50



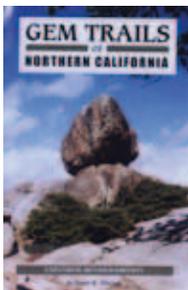
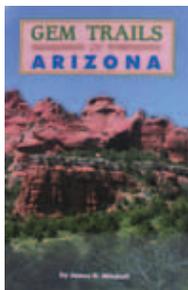
12" Steel Gold Pan		
Order #	Weight	Price
CGP012	4 lbs.	\$8.00

14" Steel Gold Pan		
Order #	Weight	Price
CGP014	4 lbs.	\$9.00



16" Steel Gold Pan		
Order #	Weight	Price
CGP016	4 lbs.	\$11.00





Mitchell. Latest edition shows all major collecting areas with maps and specific collecting details.

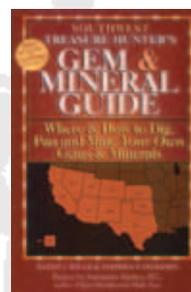
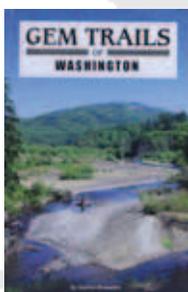
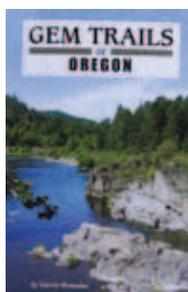
Mitchell. Features sites from the Oregon border south to the Monterey area. Detailed texts and maps make locating and collecting easy.

Mitchell. Latest edition shows all major collecting areas with maps and detailed collecting information.

Gem Trails of Arizona		
Order #	Retail	Price
GTBCAZ	\$14.95	\$13.45

Gem Trails of Nor. California		
Order #	Retail	Price
GTBNCA	\$12.95	\$11.65

Gem Trails of So. California		
Order #	Retail	Price
GTBSCA	\$12.95	\$11.65



Romaine. A revised and updated edition which includes information for over 100 collecting sites and includes maps and GPS coordinates.

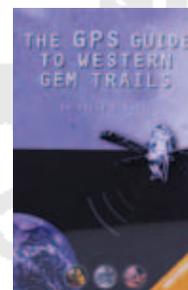
Romaine. This comprehensive guide includes information on more than 75 collecting sites. Each site includes a map and GPS coordinates.

Rygle & Pedersen. Easy-to-use guide for ins and outs of "fee dig" mining, locations, costs, and trips.

Gem Trails of Oregon		
Order #	Retail	Price
GTBCOR	\$16.95	\$15.45

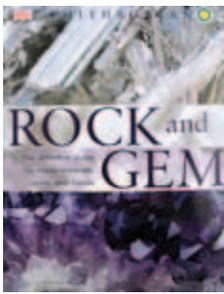
Gem Trails of Washington		
Order #	Retail	Price
GTBCWA	\$18.95	\$17.45

S.W. Gem & Mineral Guide		
Order #	Retail	Price
GTBSSG	\$14.99	\$13.50



Kelty. A necessary accompaniment to the Gem Trails series and other books. Find exact locations using your GPS to over 1200 sites.

GPS Guide to W. Gem Trails		
Order #	Retail	Price
GTBGPS	\$19.95	\$17.95



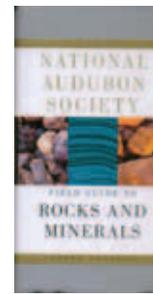
Bonewitz. A comprehensive guide to the rocks and minerals of the world.

Smithsonian Rock and Gem		
Order #	Retail	Price
RIBCRG	\$24.95	\$22.45



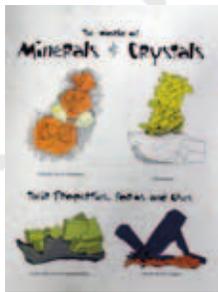
Brown, Allen, & Stark. A new edition with color illustrations, maps, descriptions, tests, and definitions of materials.

Rocks & Minerals of California		
Order #	Retail	Price
RIBRMC	\$13.95	\$12.55



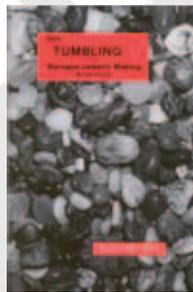
A pocket book with pictures and written details of composition.

Audubon Society Field Guide		
Order #	Retail	Price
RIBASG	\$21.95	\$19.95



Powell. Educational activities for young mineral collectors. Fun mineral facts, games, and activities.

World of Mineral & Crystal		
Order #	Retail	Price
RIBWMC	\$2.99	\$2.75



Victors. How to tumble polish all popular stones and instructions on baroque jewelry making.

Gem Tumbling & Baroque Jewelry Making		
Order #	Retail	Price
RIBBJM	\$6.50	\$5.85



Wexler. Turn pebbles and stones into sparkling jewels. Also a guide to the type of tumbling equipment available and how to use it correctly.

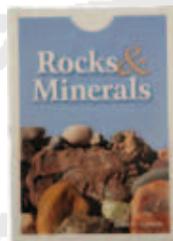
How to Tumble Polish Gemstones		
Order #	Retail	Price
RIBTPG	\$6.95	\$6.45

PLAYING CARDS



Ward. Complete guide to finding, collecting, buying, and cutting this popular gem material.

Jade		
Order #	Retail	Price
RIBJAD	\$19.95	\$17.95



This deck of Playing Cards is a great gift idea for the rockhound in your family. Each card features a different rock or mineral.

Playing Cards		
Order #	Weight	Price
RCARDS	1 lb.	\$5.35





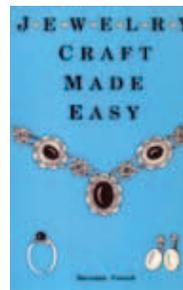
Jenkins & Thrasher. Instructions and illustrations show how to make pins, pendants, chains, rings, bracelets, earrings, stickpins, and novelty items.

How to Make Wire Jewelry		
Order #	Retail	Price
CJBHWJ	\$6.00	\$5.40



Phelps. Instructions on how to fix broken chains and prongs, replace lost parts, reset gemstones, size rings, and much more.

How to Repair Jewelry		
Order #	Retail	Price
CJBHRJ	\$5.00	\$4.50



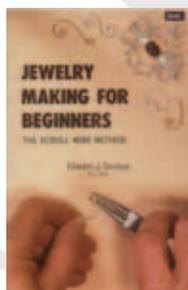
French. For the hobbyist who prefers purchasing already finished gemstones, mountings, and findings for assembling beautiful jewelry.

Jewelry Craft Made Easy		
Order #	Retail	Price
CJBJCE	\$5.95	\$5.35



JewelryArtist is a periodical published monthly.

Jewelry Artist Magazine		
Order #	Retail	Price
MAGCJA	\$6.99	\$6.30



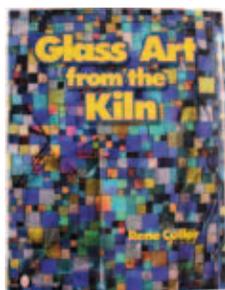
Soukup. An easy-to-learn method for fabricating soldered jewelry pieces that will keep the novice from getting discouraged. All steps are clearly shown with photos and detailed text.

Jewelry Making for Beginners		
Order #	Retail	Price
CJBJMB	\$5.00	\$4.50



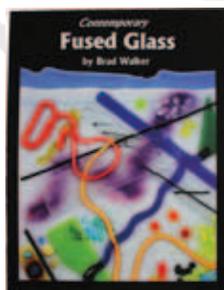
Sopcak. A manual that shows how to make the equipment needed as well as how to use it to make patterns, molds, and castings for jewelry and other small metal parts.

Lost Wax or Investment Casting		
Order #	Retail	Price
CJBLWC	\$5.50	\$4.95



Culler. A guide to creating glass art including detailed instructions and techniques to cutting, fusing, and coldworking glass.

Glass Art from the Kiln		
Order #	Retail	Price
CGBGAK	\$50.00	\$45.00



Walker. A guide to working with glass in a kiln.

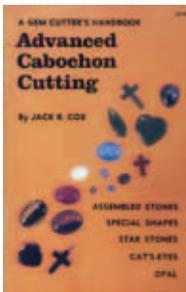
Contemporary Fused Glass		
Order #	Retail	Price
CGBCFG	\$47.95	\$43.15



Schmuck. Covers everything from tools and machines, to techniques and aesthetics, a comprehensive guide to coldworking.

The Joy of Coldworking		
Order #	Retail	Price
CGBTJC	\$49.95	\$44.95





Cox. Master special shaped cabochon cutting, assembled stones, star stones, cat's eyes, special sections on opals, and jade.

Advanced Cabochon Cutting		
Order #	Retail	Price
HLBACC	\$6.00	\$5.40



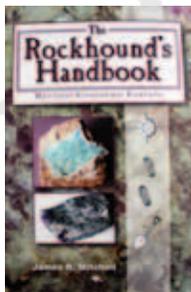
Cox. Illustrations, photos, and detailed instructions will tell and show how to cut a cabochon.

Cabochon Cutting		
Order #	Retail	Price
HLBCCC	\$6.00	\$5.40



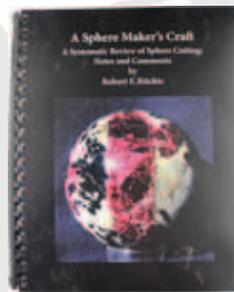
Riggle. Subjects include trimming, slabbing, grinding, dopping, smoothing, polishing, equipment accessories, and supplies.

How to Use Diamond Abrasives		
Order #	Retail	Price
HLBHDA	\$6.95	\$6.45



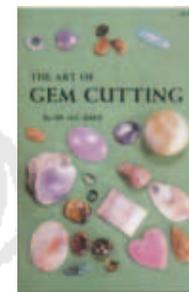
Mitchell. An indispensable guide to rockhounding for amateurs and experienced collectors.

The Rockhound's Handbook		
Order #	Retail	Price
HLBCRH	\$15.95	\$14.35



Ritchie. A guide to making spheres, complete with internet sources, full color pictures, and diagrams.

A Sphere Maker's Craft		
Order #	Retail	Price
CMBASC	\$53.75	\$48.40



Dake. This book teaches how to buy the rough, cut the gems, choose and use equipment. Detailed instructions and complete illustrations.

The Art of Gem Cutting		
Order #	Retail	Price
HLBAGC	\$6.95	\$6.45



Soukup. This book contains everything one needs to know to facet a gemstone expertly. Shows 22 beautiful cuts.

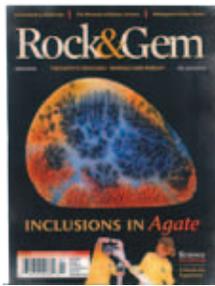
Facet Cutter's Handbook		
Order #	Retail	Price
CMBFCH	\$6.00	\$5.50



Hart. The only complete and up-to-date guide on tumble polishing rocks and stones.

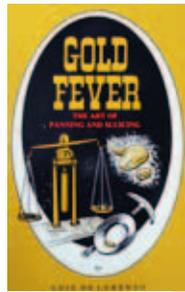
Modern Rock Tumbling		
Order #	Retail	Price
CTBMRT	\$24.95	\$22.45





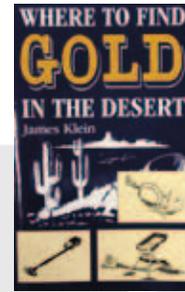
Rock & Gem is a periodical published monthly.

Rock & Gem Magazine		
Order #	Retail	Price
MAGCRG	\$4.99	\$4.50



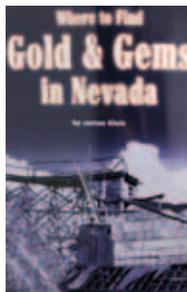
de Lorenzo. The art of panning and sluicing. Maps cover where gold has been found in the western states.

Gold Fever		
Order #	Retail	Price
CPBGOF	\$8.95	\$8.25



Klein. A comprehensive guide to finding gold in the American southwest.

Where to Find Gold in the Desert		
Order #	Retail	Price
CPBCGD	\$9.95	\$8.95



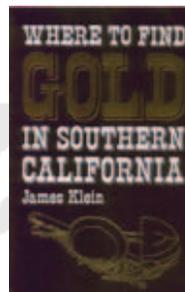
Klein. Gold-bearing regions and selected gem and rock hound areas organized by county. Maps, photos, directions, and historical anecdotes.

Where to Find Gold & Gems in Nevada		
Order #	Retail	Price
CPBGGN	\$8.95	\$8.05



Klein. Veteran prospector, miner, and treasure hunter knows those secrets and shares them in this book.

Where to Find Gold in N. California		
Order #	Retail	Price
CPBGNC	\$10.95	\$9.85



Klein. Veteran prospector, miner, and treasure hunter knows those secrets and shares them in this book.

Where to Find Gold in S. California		
Order #	Retail	Price
CPBGSC	\$9.95	\$8.95

DOPPING SUPPLIES



Extra Copper Dop Pot

Order #	Weight	Price
CDP084	1 lb.	\$21.00



Covington's Electric Dop Stove comes complete with a removable copper pot and operates on 110V, 60Hz current and consumes no more power than a 50-watt bulb. Allow 15 minutes for dop wax to reach the proper temperature. Dop stove will maintain the proper temperature for as long as it is in operation. This unit can also be used as a pickling pan and wax heater for silversmiths and jewelry designers.

110V Electric Dop Stove

Order #	Weight	Price
EDS083	3 lbs.	\$54.00



Green Dop Wax: Has been the industry standard for many years. It has a very strong bond and softens at 150 degrees Fahrenheit.

1 lb. Green Dop Wax

Order #	Weight	Price
CDW624	1 lb.	\$15.00



Black Dop Wax: Black facet wax is an extra strong, high temperature wax that softens at 170 degrees Fahrenheit.

1 lb. Black Dop Wax

Order #	Weight	Price
CDW625	1 lb.	\$15.00



Dop Sticks: A set of ten (10) 4" long hardwood sticks comes with 2-each; 1/8", 1/4", 5/16", 3/8", and 1/2" diameters.

Hard Wood Dop Sticks

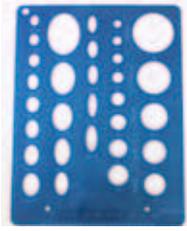
Order #	Weight	Price
HDS625	1 lb.	\$3.50





GEM TEMPLATES

Covington's Gem Templates are a basic piece of lapidary hardware used to scribe cabochon shapes on rock slabs prior to trim sawing. The colorful, easy-to-recognize, .030 thick, anodized aluminum templates are rigid, and excellent for quick measuring or stenciling. Both sides of a cabochon may be scribed by placing a slab between two connected templates (doubles) and outlining each side. Grinding proceeds faster and more accurately using this method.



Blue Aluminum Templates (Circles & Ovals)		
Order #	Design	Price
CGT325	Single	\$6.00
CGD325	Double	\$13.00



Gold Aluminum Templates (Squares & Rectangles)		
Order #	Design	Price
CGT326	Single	\$6.00
CGD326	Double	\$13.00



Red Aluminum Templates (Hearts & Miscellaneous)		
Order #	Design	Price
CGT325	Single	\$6.00
CGD325	Double	\$13.00

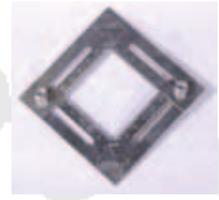


Set of 3 Templates + Scribing Pencil		
Order #	Design	Price
CGT328	Aluminum	\$17.00
CPT348	Plastic	\$11.00



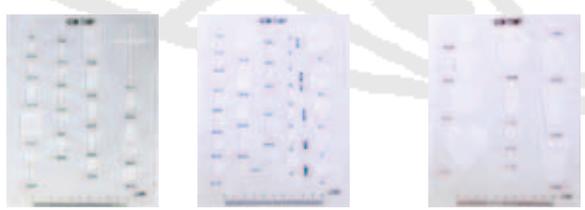
Covington's aluminum scribing pencil is perfect for outlining the desired shape prior to grinding.

Aluminum Scribing Pencil		
Order #	Design	Price
TAP626	Pencil	\$1.30



Covington's Rock Marking Template is great for creating all varieties of squares and rectangles from 1mm to 5cm using easy-to-adjust knurled aluminum nuts.

Rock Marking Template		
Order #	Design	Price
CRM350	Rectangles	\$6.00



Plastic Templates		
Order #	Design	Price
CPT345	Blue/Ovals	\$4.00
CPT346	Gold/Rectangles	\$4.00
CPT347	Red/Misc.	\$4.00



DIAMOND BLADE KOOLERANTS



CUTTING OILS



This general purpose Koolerant is designed for use when cutting any size rock up to a 6 on the Mohs hardness scale or that responds to a low/medium heat factor at blade contact. This clean-to-use Koolerant is non-flammable. Add 9 parts of water to each part of Covington's concentrated diamond blade Koolerant #1. Mix well before pouring into the saw.

Covington's #2 Koolerant is designed for cutting large pieces of hard or dense rock. This Koolerant is an excellent choice for cutting any size rock that requires a high heat factor at blade contact because of the raised flashpoint. Add 9 parts of light form oil (Rock Hound Oil, mineral oil, etc.) to each part of Covington's concentrated diamond blade Koolerant #2. Mix well before pouring into the saw.

#1 Koolerant			
Order #	Size	Weight	Price
CK1016	Quart	6 lbs.	\$6.50
CK1100	Gallon	10 lbs.	\$22.00
CK1500	5-Gallon	42 lbs.	\$100.00

#2 Koolerant			
Order #	Size	Weight	Price
CK2016	Quart	6 lbs.	\$6.50
CK2100	Gallon	10 lbs.	\$22.00
CK2500	5-Gallon	42 lbs.	\$100.00



Koolerant #3 - Kool Lube is a brand new 100% synthetic, biodegradable koolerant free of phenols, nitrates, sulfur, chlorine, phosphates, nitrosamines, and oil. Mix Koolerant #3 with water; Koolerant contains rust inhibitors.

Rockhound Oil is one of the finest coolants on the market. This mineral based oil has no distasteful odor and features excellent cooling properties that extend the life of the blade and saw. Covington recommends this oil for all saws over 10" or for cutting hard stone. A high flashpoint of 230 degrees Fahrenheit ensures safe operation in all conditions.

#3 Koolerant: Kool Lube			
Order #	Size	Weight	Price
CK3016	Quart	6 lbs.	\$15.00
CK3100	Gallon	10 lbs.	\$50.00
CK3500	5-Gallon	49 lbs.	\$240.00

Rockhound Oil			
Order #	Size	Weight	Price
RH0016	Quart	6 lbs.	\$7.50
RH0100	Gallon	10 lbs.	\$22.00
RH0500	5-Gallon	42 lbs.	\$100.00

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BALL BEARING ARBORS



CAR110		
Order #	Weight	Price
CAR110	3 lbs.	\$39.90

Features:
 Shaft Diameter & Thread Flange End - 5/8" Smooth
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 6-1/4"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"



CAR120		
Order #	Weight	Price
CAR120	3 lbs.	\$39.90

Features:
 Shaft Diameter & Thread Flange End - 5/8" Smooth
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 6-1/4"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"



CAR13R		
Order #	Weight	Price
CAR13R	3 lbs.	\$49.90

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18RHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1/8"
 Flange Size - 2"



CAR14L (For 1500 Series Trim Saws)		
Order #	Weight	Price
CAR14L	3 lbs.	\$49.90

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18LHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1/8"
 Flange Size - 2"



CAR14R (For 1100 Series Combo Saws)		
Order #	Weight	Price
CAR14R	3 lbs.	\$49.90

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18RHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1/8"
 Flange Size - 2"



BALL BEARING ARBORS



BALL BEARING ARBORS



CAR15R (For 700 Series Slab Saws)		
Order #	Weight	Price
CAR15R	14 lbs	\$197.40

Features:
 Shaft Diameter & Thread Flange End - 1"-14RHT
 Shaft Diameter & Length, Pulley End - 1" x 1-1/2" & 3/4" x 1-1/4"
 Overall Length - 11-1/2"
 Mounting Hole Spacing - 3-1/2" x 3-1/4"
 Mounting Hole Diameter - 3/8"
 Maximum Space Between Flanges - 1/4"
 Flange Size - 3"



CAR16R		
Order #	Weight	Price
CAR16R	3 lbs.	\$65.00

Features:
 Shaft Diameter & Thread Flange End - 1/2"-20RHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1-1/8"
 Flange Size - 2"



CAR17R		
Order #	Weight	Price
CAR17R	3 lbs.	\$65.00

Features:
 Shaft Diameter & Thread Flange End - 5/8"-18RHT
 Shaft Diameter & Length, Pulley End - 5/8" x 1-3/4"
 Overall Length - 5-1/2"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"
 Maximum Space Between Flanges - 1-1/8"
 Flange Size - 2"



CAR18U (Sander Upper)		
Order #	Weight	Price
CAR18U	3 lbs.	\$41.00

Features:
 Shaft Diameter & Thread Flange End - 5/8" Smooth
 Shaft Diameter & Length, Pulley End - 5/8" x 3/8"
 Overall Length - 5"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"



CAR19L (Sander Lower)		
Order #	Weight	Price
CAR19L	3 lbs.	\$40.00

Features:
 Shaft Diameter & Thread Flange End - 5/8" Smooth
 Shaft Diameter & Length, Pulley End - 5/8" x 1-1/2"
 Overall Length - 6-1/4"
 Mounting Hole Spacing - 3"
 Mounting Hole Diameter - 1/4"

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SHAFT ADAPTERS



Large Shaft Adapters are a 1"-14 with a left or right hand nut thread. Each has 2" inside backing stop for wheel or buff mount. Adapters come in 1/2", 5/8", or 3/4" bore. *Please specify bore size and thread.

Large Shaft Adapters			
Order #	Thread	Weight	Price
LSAR35	1"-14 Right	1 lb.	\$23.00
LSAL35	1"-14 Left	1 lb.	\$23.00



Small Shaft Adapters are a 1/2"-20 with a left or right hand nut thread. This shaft accepts wheels that have a 1/2", 5/8", 3/4" or 1" arbor bore and is 3-1/2" long. *Please specify thread when ordering.

Small Shaft Adapters			
Order #	Thread	Weight	Price
SSAR04	1/2"-20 Right	1 lb.	\$12.75
SSAL06	1/2"-20 Left	1 lb.	\$12.75



1/2" Shaft Adapters			
Order #	Thread	Weight	Price
MSAR05	1"-14 Right	1 lb.	\$12.50
MSAL05	1"-14 Left	1 lb.	\$12.50

TAPERED SPINDLES

Tapered Spindles hold muslin or felt buffs. The buffs screw onto the taper until tight. Spindles are made with either right or left hand threads. A smooth bore secures the spindle to a smooth shaft with setscrew.



1/4" Tapered Spindles			
Order #	Thread	Weight	Price
CTSR14	Right	1 lb.	\$13.50
CTSL14	Left	1 lb.	\$13.50



3/8" Tapered Spindles			
Order #	Thread	Weight	Price
CTSR38	Right	1 lb.	\$13.50
CTSL38	Left	1 lb.	\$13.50



1/2" Tapered Spindles			
Order #	Thread	Weight	Price
CTSR12	Right	1 lb.	\$13.50
CTSL12	Left	1 lb.	\$13.50



5/8" Tapered Spindles			
Order #	Thread	Weight	Price
CTSR58	Right	1 lb.	\$13.50
CTSL58	Left	1 lb.	\$13.50



FLANGES & SPACERS



FLANGES & SPACERS



CEC Cast Aluminum Flanges (w/2 Set Screws)

Order #	Diameter	Width	Price
CCA275	2-3/4"	3/4"	\$8.75
Bore Sizes: 1/2", 5/8", 3/4", or 1"			



Die Cast Aluminum Flanges

Order #	Diameter	Width	Price
CDA278	2-7/8"	7/16"	\$5.80
Bore Sizes: 5/8", 3/4", or 1"			



Aluminum Flange w/2 Set Screws (497)

Order #	Diameter	Width	Price
CMA205	1-1/2"	5/8"	\$5.00
Bore: 1/2"			



Aluminum Flange w/ 2 Set Screws (494 & 495)

Order #	Diameter	Width	Price
CMA258	2"	5/8"	\$6.50
Bore: 5/8"			



Steel Shelby Spacer (End)

Order #	Diameter	Width	Price
CSS100	1-1/2"	1/4" Lip	\$9.95
Bore: 1"			

Buy Two Ends Receive Middle Spacer Free



Milled Aluminum Flanges

Order #	Diameter	Bore	Price
CMA300	3"	3/4" or 1"	\$21.00
CMA400	4"	3/4" or 1"	\$25.00
CMA500	5"	3/4" or 1"	\$29.00
CMA600	6"	1"	\$33.00
3/8" Wide			



Aluminum Flange (End)

Order #	Diameter	Length	Price
CSS275	2-3/4"	1-1/2" +	\$9.95
Bore Sizes: 5/8", 3/4", 1"			

Buy Two Ends Receive Middle Spacer Free



Stamped Metal Flanges

Order #	Diameter	Bore	Price
SMF200	2"	1/2" or 5/8"	\$2.65
3/16" Wide			



Steel Spacer (494 & 495)

Order #	Length	Wall	Price
CMS375	1-3/8" +	1/8"	\$9.95
Bore: 5/8"			

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V-BELTS



*Please note that other belt sizes are available, call for a quote and availability.

Length	Order #	Price
21"	A4L210	\$7.50
23"	A4L230	\$7.50
25"	A4L250	\$7.50
26"	A4L260	\$7.50
27"	A4L270	\$7.50
28"	A4L280	\$7.50
29"	A4L290	\$7.60
30"	A4L300	\$7.85
31"	A4L310	\$8.45
32"	A4L320	\$8.55
33"	A4L330	\$8.70

Shipping - 1 lb. Each

Length	Order #	Price
34"	A4L340	\$9.05
35"	A4L350	\$9.25
36"	A4L360	\$9.25
37"	A4L370	\$9.60
38"	A4L380	\$9.60
39"	A4L390	\$10.05
40"	A4L400	\$10.05
41"	A4L410	\$10.20
42"	A4L420	\$10.20
43"	A4L430	\$10.85
44"	A4L440	\$10.85

Shipping - 1 lb. Each

Length	Order #	Price
45"	A4L450	\$11.25
46"	A4L460	\$11.25
47"	A4L470	\$11.50
48"	A4L480	\$11.50
49"	A4L490	\$11.70
54"	A4L540	\$12.25
55"	A4L550	\$12.35
57"	A4L570	\$12.60
58"	A4L580	\$12.70
59"	A4L590	\$12.85

Shipping - 1 lb. Each

PULLEYS

Pulleys are 1/2" wide. A * Indicates pulleys which are only available in 1/2" or 5/8". Other pulley sizes are available. Call for quote and availability.



Size	Order #	Price
* 1-1/2"	AVP015	\$7.60
* 2"	AVP020	\$8.20
* 2-1/2"	AVP025	\$8.30
3"	AVP030	\$9.35
3-1/2"	AVP035	\$10.50
4"	AVP040	\$11.80
4-1/2"	AVP045	\$14.05



Size	Order #	Price
5"	AVP050	\$15.35
6"	AVP060	\$18.75
8"	AVP080	\$24.70
10"	AVP010	\$38.00
12"	AVP012	\$46.40

Cast Iron Pulleys

5.60"	SAK560	\$47.15
6.40"	SAK640	\$51.70



Step Pulleys		
Size	Order #	Price
2"-3" x 1/2", 5/8", or 3/4"	SCZ400	\$24.15
* 3"-4"-5"	SCZ500	\$38.30
3"-4"-5" x 1" Bore	SCZ501	\$45.00
4"-5"-6" x 5/8" Bore	SCZ630	\$54.80



Variable Speed Pulleys

Order #	Bore	Price
TBR030	1/2" or 5/8"	\$96.50



Sander (Crown) Pulleys

Order #	Weight	Price
CSP309	3 lbs.	\$42.50



MOTORS

Covington's Motors are U.L. listed with a 3-prong switch cord. DANGER: Thermal protected motors will stop if overloaded. If the motor stops, shut-off electrical supply switch, otherwise motor will restart automatically.

*Please state motor model, pulley size, and belt size when ordering.



110V, 60Hz Tumbler Motor w/ Stud Mount				
Order #	hp	rpm	Weight	Price
MTR618	1/21	1550	6 lbs.	\$120.00

110V, 60Hz Vibra Lap Motor w/ Stud Mount				
Order #	hp	rpm	Weight	Price
MTR004	1/21	1550	6 lbs.	\$120.00



110V, 60Hz Tumbler Motor w/ Base Mount				
Order #	hp	rpm	Weight	Price
MTR580	1/6	1550	8 lbs.	\$135.00

110V, 60Hz Commercial Duty Motor				
Order #	hp	rpm	Weight	Price
MTR534	1/3	1725	16 lbs.	\$175.00



110V, 60Hz Capacitor Start Motor				
Order #	hp	rpm	Weight	Price
MTR922	1	1725	33 lbs.	\$350.00

110V, 60Hz or 220V, 50Hz Capacitor Start Motor w/ Thermal Protection				
Order #	hp	rpm	Weight	Price
MTR199	1/2	1725	28 lbs.	\$275.00



220V, 50Hz Vibra Lap Motor w/ Stud Mount				
Order #	hp	rpm	Weight	Price
MTR001	1/21	1550	6 lbs.	\$125.00

220V, 50Hz Tumbler Motor w/ Stud Mount				
Order #	hp	rpm	Weight	Price
MTR552	1/21	1550	6 lbs.	\$130.00



8' 18-3 Electric Cord w/ In-line Switch		
Order #	Weight	Price
ESC732	2 lbs.	\$18.00

220V, 50Hz Commercial Duty Motor				
Order #	hp	rpm	Weight	Price
MTRH81	1/3	1425	12 lbs.	\$266.00



REPLACEMENT MOTORS

JohnsonBrothersLapidary.com
JBFC.com





REPLACEMENT BEARINGS

Pillow Block Ball Bearings are neoprene sealed and greased for life with a mount spacing of 3-7/16". Ball bearing comes in 1/2", 5/8", 3/4", and 1" bore. *Please specify size when ordering.



Bearing (For Vertical Arbor Units)		
Order #	Weight	Price
SRC160	1 lb.	\$45.00



Bearing (For 700 Series Saw Arbors)		
Order #	Weight	Price
SLS700	1 lb.	\$27.50



Bearing (For 6" Combination Units)		
Order #	Weight	Price
RUBRS1	1 lb.	\$37.00



Bearing (For 268TUM) x 5/8" Bore		
Order #	Weight	Price
SRF160	2 lbs.	\$32.00



Bearing (For 8" Combination Units)		
Order #	Weight	Price
LRCS16	1 lb.	\$39.50



Bearing (For 16" Laps) x 1" Bore		
Order #	Weight	Price
SRF161	2 lbs.	\$65.00

Pillow Block Bronze Bearings are self-aligning and feature a large oil reservoir, thick rubber mounting grommets, and mounts spaced 3" apart. Bronze bearing comes in 1/2", 5/8", 3/4", and 1" bore. *Please specify size when ordering.



Pillow Block Ball Bearing		
Order #	Weight	Price
PBPO25	2 lbs.	\$35.70



Bronze Pillow Block Bearing		
Order #	Weight	Price
BPB531	2 lbs.	\$16.85



BUFF & POLISH CHART

INTRODUCTION

1. Many stones polish equally well with several buff and polishing compound combinations. A very hard gem can be polished by a much softer polish powder. Only one polishing agent should be used on a buff.
2. Polishing does not remove any material from the surface. If scratches develop, the stone must be re-sanded.
3. It is impossible to obtain a high glossy finish on very soft materials, especially if they tend to be slightly porous, fibrous, or granular. As a last resort with this type of material, a finish gloss can be given by the use of spray varnish.

BUFFS

Canvas: Canvas is useful when polishing heat-sensitive stones because it develops very little friction.

Muslin: Muslin buffs are recommended for soft stones and gems that are heat-sensitive.

Leather: Leather is a versatile buffing material that is both efficient and economical. Leather generates heat, but not as much as felt.

Felt: Felt is useful for polishing glass and stones of even texture. It is not recommended for gemstones that under cut. Friction on felt generates heat rapidly.

Material	Buff					Polishing Compound				
	Canvas	Phenolic	Felt	Leather	Muslin	Cerium Oxide	Chrome Oxide	Diamond	Linde 'A'	Tin Oxide
Agate		C	A	B		A-B		C		
Amethyst		C	A	B		A-B		C		
Beryl		D	A	B-C		A	C	D	B	
Calcite				B	A					A-B
Chloastrolite			A			A				
Feldspar			A			A				
Garnet		C	A-B			B	A	C		
Glass			A			A				
Goldstone			A			A				
Hematite	B				A	A			B	
Howlite			A	B					B	A
Jadeite				A-B	C		B		A	C
Jasper			A	B		A			B	
Lapis Lazuli				A-B			B		A	
Malachite				A-B			B		A	
Nephrite-Jade				A-B	C		B		A	C
Obsidian			A			A				
Opal-Australian			A		B	A				B
Opal-Mexican		A						A		
Psilomelane				A-B					A	B
Petosky Stone	A									A
Quartz		C	A	B		A-B		C		
Rhodochrosite				A-B					A	B
Rhodonite				A-B		B			A	
Serpentine				A-B					A	B
Sodalite			A			A				
Thomsonite			A			A				
Tigers Eye				A					A	
Tourmaline	C			A-B			B	C	A	
Turquoise				A-B					A	B
Unakite			A			A				
Variscite			B-C	A		B			A	C
Wonderstone			B-C	A					A	C

Phenolic: Phenolic tools or phenolic lap disc (cab laps) are useful when impregnated with diamond grit. 14,000 Micron (pre-polish) or 50,000 Micron (polish) diamond compound can be applied to the surface of the gemstone and worked with a phenolic carving tool. It can also be applied to the surface of a phenolic lap disc and worked with the gemstone mounted at the end of a dop stick. The diamond will charge the phenolic plate making smoothing and polishing easier.

POLISHING COMPOUNDS

Cerium Oxide: Covington cerium oxide will polish at a faster rate than conventional polishing compounds and produce a superior optical lens surface with no staining or caking. Because it will polish faster, a lower concentration can be used. It is recommended for use on leather, felt, polyurethane foams, and thermoplastic polishing pads. It is a favored polish for quartz type minerals and other gemstone types. It is not recommended for gemstones that will under cut.

Linde "A": A .3 micron aluminum powder that is carefully graded for uniformity of grain size. It is excellent for polishing stones that will under cut. Excellent for hard to polish stones.

Chromium Oxide: Chromium oxide is a hard polishing agent. It is green in color and stains badly. It is useful for polishing jade and stones that will under cut.

Tin Oxide: Tin oxide is an excellent general-purpose polish. It is used to provide a final high gloss finish.

Diamond: Diamond grit is the most efficient polishing medium. It is especially useful for polishing difficult-to-polish stones.

Match letters across rows for best combinations

MOHS SCALE OF MINERAL HARDNESS

Diamond	10	Kornerupine	6-1/2-7	Enstatite	5-1/2	Coral	3-4
Ruby	9	Peridot	6-1/2-7	Leucite	5-1/2	Pearl	3-4
Sapphire	9	Sard	6-1/2-7	Moldavite	5-1/2	Anhydrite	3-3-1/2
Alexandrite	8-1/2	Tanzanite	6-1/2-7	Natrolite	5-1/2	Celestine	3-3-1/2
Chrysoberyl	8-1/2	Zoisite	6-1/2-7	Willemite	5-1/2	Barite	3
Rhodozite	8	Idocrase	6-1/2	Scapolite	5-6-1/2	Calcite	3
Spinel	8	Saussurite	6-1/2	Cancrinite	5-6	Wulfenite	3
Taaffeite	8	Sinhalite	6-1/2	Diopside	5-6	Jet	2-1/2-4
Topaz	8	Smaragdite	6-1/2	Hypersthene	5-6	Crocoite	2-1/2-3
Yag	8	Sillimanite	6-7-1/2	Limenite	5-6	Garnierite	2-1/2-3
Aquamarine	7-1/2-8	Cassiterite	6-7	Lapis Lazuli	5-6	Phosgenite	2-1/2-3
Beryl	7-1/2-8	Epidote	6-7	Lazulite	5-6	Gaylussite	2-1/2
Emerald	7-1/2-8	Hiddenite	6-7	Tantalite	5-6	Proustite	2-1/2
Gahnite	7-1/2-8	Kunzite	6-7	Turquoise	5-6	Pseudophite	2-1/2
Painite	7-1/2-8	Amazonite	6-6-1/2	Datolite	5-5-1/2	Serpentine	2-1/2
Phenacite	7-1/2-8	Aventurine	6-6-1/2	Obisidian	5-5-1/2	Chrysocolla	2-5-1/2
Almandine	7-1/2	Feldspar	6-6-1/2	Sphene	5-5-1/2	Ivory	2-4
Andalusite	7-1/2	Benitoite	6-6-1/2	Thomasonite	5-5-1/2	Amber	2-3
Euclase	7-1/2	Ekanite	6-6-1/2	Apatite	5	Meerschaum	2-2-1/2
Hambergite	7-1/2	Labradorite	6-6-1/2	Augelite	5	Alabaster	2-2-1/2
Uvarovite	7-1/2	Moonstone	6-6-1/2	Dioptase	5	Ulexite	2
Andradite	7-7-1/2	Nephrite	6-6-1/2	Glass	5	Vivianite	1-1/2-3
Cordierite	7-7-1/2	Orthoclase	6-6-1/2	Hemimorphite	5	Stichtite	1-1/2-2-1/2
Danburite	7-7-1/2	Petalite	6-6-1/2	Smithsonite	5	Sulphur	1-1/2-2
Garnet	7-7-1/2	Prehnite	6-6-1/2	Wardite	5		
Iolite	7-7-1/2	Pyrite	6-6-1/2	Kyuanite	4-1/2-7		
Rhodolite	7-7-1/2	Rutile	6-6-1/2	Apophyllite	4-1/2-5		
Staurolite	7-7-1/2	Strontium	6-6-1/2	Scheelite	4-1/2-5		
Tourmaline	7-7-1/2	Titanate	6-6-1/2	Zincite	4-1/2-5		
Amethyst	7	Amblygonite	6	Colemanite	4-1/2		
Citrine	7	Bytownite	6	Kurnakovite	4-1/2		
Dumortierite	7	Sanidine	6	Purpurite	4-1/2		
Prasiolite	7	Thulite	6	Variscite	4-5		
Rock-Crystal	7	Tugtupite	6	Fluorite	4-4-1/2		
Smoky-Quartz	7	Hematite	5-1/2-6-1/2	Barytocalcite	4		
Rose-Quartz	7	Opal	5-1/2-6-1/2	Magnesite	4		
Tigers-Eye	7	Rhodonite	5-1/2-6-1/2	Rhodochrosite	4		
Zircon	6-1/2-7-1/2	Tremolite	5-1/2-6-1/2	Dolomite	3-1/2-4-1/2		
Agate	6-1/2-7	Actinolite	5-1/2-6	Chalybite	3-1/2-4-1/2		
Axinite	6-1/2-7	Anatase	5-1/2-6	Aragonite	3-1/2-4		
Chalcedony	6-1/2-7	Beryllonite	5-1/2-6	Azurite	3-1/2-4		
Chloromelanite	6-1/2-7	Elaeolite	5-1/2-6	Cuprite	3-1/2-4		
Chrysoprase	6-1/2-7	Hauynite	5-1/2-6	Chalcopyrite	3-1/2-4		
Demantoid	6-1/2-7	Periclaase	5-1/2-6	Malachite	3-1/2-4		
Fossilized-Wood	6-1/2-7	Psilomelane	5-1/2-6	Sphalerite	3-1/2-4		
Heliotrope	6-1/2-7	Sodalite	5-1/2-6	Cerussite	3-1/2		
Jadeite	6-1/2-7	Brazilianite	5-1/2	Howlite	3-1/2		
Jasper	6-1/2-7	Chromite	5-1/2	Witherite	3-1/2		

RPM CHART

When cutting slabs, run the blade between 3,000SFM & 4,500SFM. Use the chart to view acceptable speeds in relation to blade size.

Diameter	RPM
6"	1910-2870
8"	1430-2150
10"	1150-1720
12"	960-1430
14"	820-1230
16"	720-1070
18"	640-960
20"	570-860
24"	480-720
30"	380-570

PULLEY SPEED CHART

1725rpm motors	Driven Pulleys									
Drive Pulley OD	1-1/2"	1-3/4"	2"	3"	4"	5"	6"	8"	10"	12"
1-1/2"	1725	1440	1230	785	575	455	380	280	220	185
1-3/4"	2070	1725	1475	940	690	545	450	335	265	220
2"	2410	2010	1725	1100	805	635	626	390	310	255
3"	3800	3160	2700	1725	1265	1000	825	615	485	405
4"	5180	4310	2695	2360	1725	1360	1125	835	655	550

Read speed data chart by bringing the vertical drive pulley size and the horizontal driven pulley size together for the given rpm. Example: 2" drive pulley and 3" driven pulley equals 1100rpm. Data is approximate.

FedEx Ground Rate Chart

(Please use these rates as a guideline)

Covington charges exact FedEx charges from 92374. Current rates available @ www.fedex.com.

Weight	Price								
1 lb.	\$8.66	11 lbs.	\$16.19	21 lbs.	\$25.79	31 lbs.	\$36.30	41 lbs.	\$45.04
2 lbs.	\$9.96	12 lbs.	\$17.11	22 lbs.	\$26.92	32 lbs.	\$37.40	42 lbs.	\$45.71
3 lbs.	\$11.01	13 lbs.	\$18.22	23 lbs.	\$28.00	33 lbs.	\$38.41	43 lbs.	\$46.50
4 lbs.	\$11.80	14 lbs.	\$19.27	24 lbs.	\$29.10	34 lbs.	\$39.49	44 lbs.	\$46.99
5 lbs.	\$12.38	15 lbs.	\$20.25	25 lbs.	\$30.18	35 lbs.	\$40.54	45 lbs.	\$47.78
6 lbs.	\$12.48	16 lbs.	\$20.86	26 lbs.	\$31.19	36 lbs.	\$41.34	46 lbs.	\$48.57
7 lbs.	\$12.96	17 lbs.	\$21.86	27 lbs.	\$32.26	37 lbs.	\$42.14	47 lbs.	\$49.36
8 lbs.	\$13.40	18 lbs.	\$22.92	28 lbs.	\$33.38	38 lbs.	\$42.92	48 lbs.	\$50.14
9 lbs.	\$14.24	19 lbs.	\$23.70	29 lbs.	\$34.38	39 lbs.	\$43.80	49 lbs.	\$50.91
10 lbs.	\$15.19	20 lbs.	\$24.80	30 lbs.	\$35.48	40 lbs.	\$44.53	50 lbs.	\$51.69

These prices may vary depending on zone, fuel surcharges, FedEx rate changes, and/or service requested

Place in an envelope and send to:

Covington Engineering

Attn: Sales

715 West Colton Avenue

Redlands, CA 92374

USPS Priority Mail Rate Chart

(Please use these rates as a guideline)

Covington charges exact USPS charges from 92374. Current rates available @ www.usps.com.

Weight (Not Over)	Zones 1 & 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
1 lb.	\$6.45	\$6.70	\$6.85	\$6.95	\$7.05	\$7.30	\$7.85
2 lbs.	\$6.80	\$7.15	\$7.75	\$9.45	\$10.25	\$11.35	\$12.40
3 lbs.	\$7.35	\$8.45	\$9.75	\$11.35	\$12.80	\$14.10	\$16.65
4 lbs.	\$8.30	\$9.90	\$11.15	\$14.95	\$16.45	\$18.00	\$20.05
5 lbs.	\$9.85	\$10.95	\$12.45	\$17.00	\$18.70	\$20.65	\$23.15

These prices may vary depending on zone, fuel surcharges, USPS rate changes, and/or service requested.

Insurance may be added to order. For larger orders, a \$2.50 postal fee may be added.



Lost or Damaged Merchandise

Inspection: Check your shipment carefully when delivered to see that it is in good order and that all cartons are accounted for. When cartons check short or are in bad condition, have the carrier's agent (truck driver) make notation of this fact on the freight bill or receipt, and then he must sign it.

Concealed Loss or Damage Discovered After Delivery: Loss or damage must be reported to the delivering carrier upon discovery, or, in any event, within 15 days of receipt. Also notify Covington's of damaged goods so we can assist in the process. Hold goods, containers, and packing materials in the exact condition as found for inspection by the carrier. If an inspector does not call within 48 hours, request an inspection by certified letter with return receipt. After viewing the damage, the inspector will issue an inspection report. You need a copy to support your claim.

Delivery: Once you accept delivery of the goods, the responsibility for filing a claim for damage, if any, is yours. Failure to properly report loss or damage is generally regarded as indicating complete delivery of freight in good condition.

Filing a Claim: Make your claim promptly. Obtain the proper forms from the carrier. There are specific documents required to support claims. They are: (1) Original Bill of Lading, (2) Original destination freight bill, (3) Original invoice, (4) Correspondence with Covington or the carrier, (5) Concealed loss form or copy of inspector's report, (6) Itemized bill (or estimate) for the cost of repairs. Billing: Please do not deduct the amount of loss or damage from Covington's invoice while awaiting adjustment of the claim. We NOT guarantee safe delivery.

Important: Covington Engineering wants to assist you in every manner possible in collecting claims against carriers for loss or damage, but our willingness to do so does not make us responsible for filing or collecting claims.

Return of Goods (Machines) for Repair: Do not return goods without first securing authorization and shipping instructions from Covington Engineering.

Special Order: Any modification or deletion of parts from a machine as advertised will subject the unit to a 2% service charge.

Pricing

Shipping: All prices are FOB. Redlands, California and are subject to change without notice. Every effort will be made to maintain the lowest price structure possible.

Tax: California residents must pay sales tax, including drop shipped orders from dealers.

Changes: Prices are subject to change without any notice. Contact us for latest pricing inquiries.

Warranty & Money Back Guarantee

If you are not completely satisfied after inspecting your purchase, return it unused within 10 days of receiving it and your purchase price will be promptly refunded. For your protection, repack it well. Address it to Covington Engineering Corp., 715 W. Colton Ave, Redlands, CA 92374. Prepay and insure your shipment and send it back to us. We will not charge you the regular 15% inspection, repacking, and restocking charge. Covington Engineering is fully guaranteed by us against defective material and workmanship. If your purchase is defective in any way, we will repair or replace the defective part for one year from the purchase date. The customer is responsible for any transportation, packing, or insurance fees involved. Covington is not responsible for customers not being able to use equipment while parts are being repaired or replaced. **This guarantee does not cover normal wear and tear, electrical burnouts, damage, alterations, neglect, and other manufacturer's products used or installed on our machines beyond their published guarantee.** This guarantee applies to all Covington built machines. You can buy Covington equipment with confidence.

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