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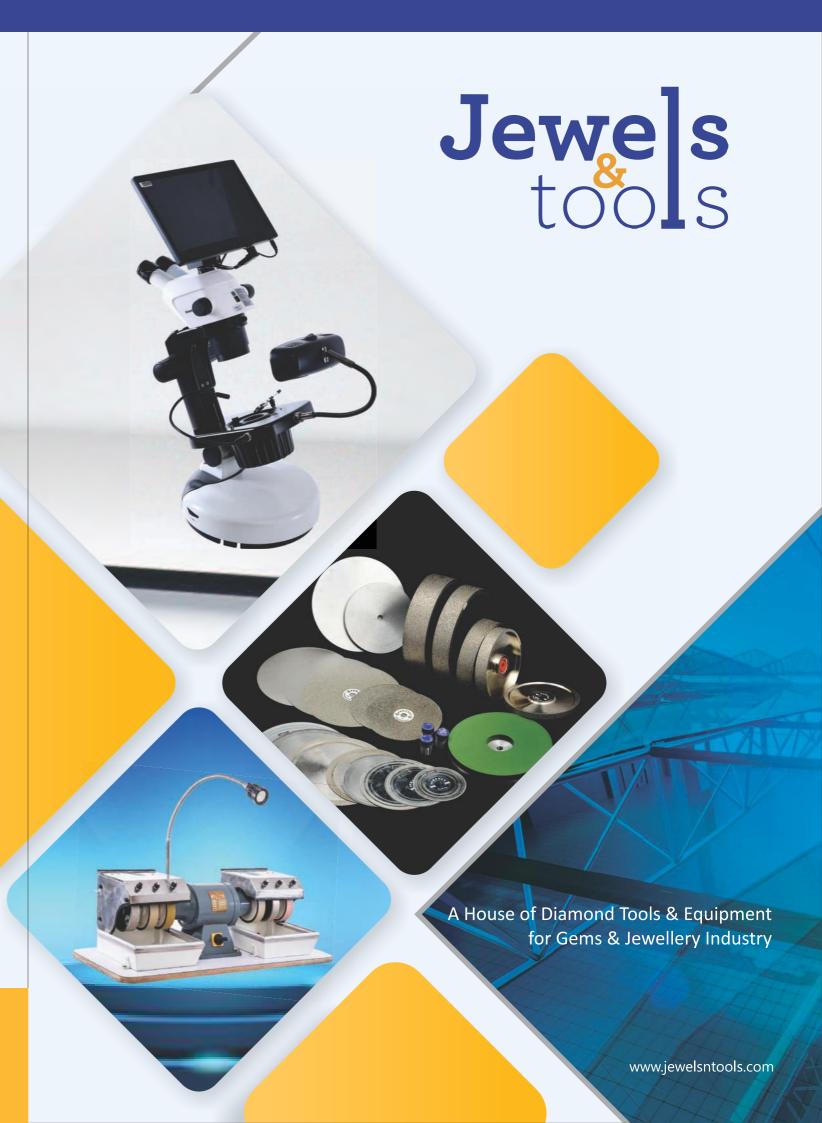




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COMPANY



The company was established in 1990 to cater to the local gemstone and jewelry industry. However, it is our dedication to excellence and quality that made us a global supplier of lapidary equipment. The company manufactures and trades a range of lapidary products from gemstone identification and assorting tools to high-grade microscopes, portable ultrasonic machines, tumblers, gemstone filters, testers, diamond wheels, polishing compounds, jeweler's supplies and almost everything you need for your gemstone lab or business.

Both our brands PERFECT and SACHI are well received in the international market. The success of our brands can be evaluated by this fact that after the introduction of PERFECT brand tools in the domestic market, the market share of imported tools has substantially dropped. Since all our products are made in India following our standards of quality, the products are durable, highly efficient and reasonable.

Along with the domestic jewelry industry, PERFECT and SACHI are also well-received in the international market. Our gemological equipment and instruments have made good inroads into foreign markets such as the USA, Australia, France, Sri Lanka and Thailand to name a few.





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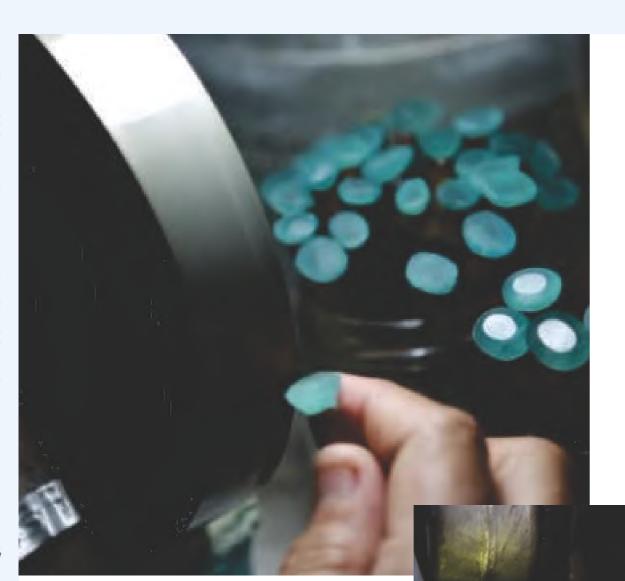
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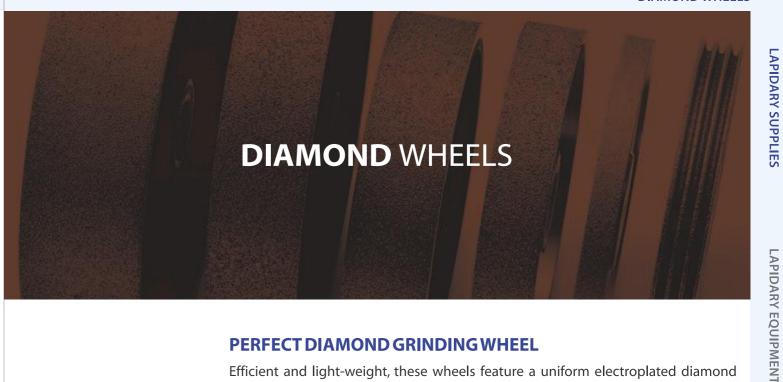
LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES



Lapidary Supplies

Everything you need to process your gemstones. Our range of lapidary supplies include diamond wheels, flat laps, saw blades, polishing discs, compounds, buff wheels and resin bond wheels.



PERFECT DIAMOND GRINDING WHEEL

Efficient and light-weight, these wheels feature a uniform electroplated diamond coating on the surface. Perfect for all types of lapidary machines, conventional cut stone, and cabbing machines.

Features:

- · Produced using highest grade RVD Diamonds, our wheels are built to last longer and provide a precise grinding operation.
- · Well-balanced and have light-weight plastic hubs to reduce vibration on higher RPMs.
- · Smoother and free cutting.
- Available in 8" & 6" diameters depending on the type of your machine, also these wheels come in varying thickness from $1^{"}$, $1\frac{1}{2}^{"}$ to $2^{"}$ wide.
- Standard arbor size is 1" and all wheels are supplied with reducers for 3/4", 5/8",
- The 6" X 1/2" inch variant is available in an all-steel body



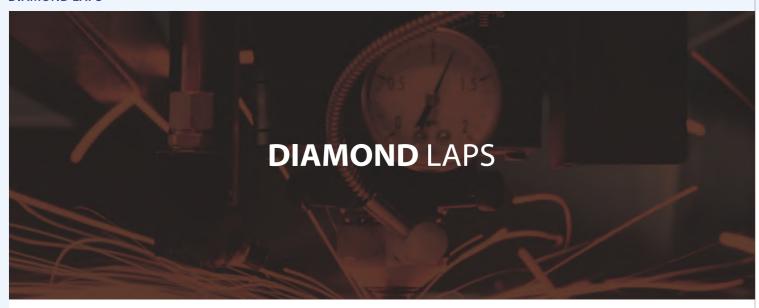
Size	Grit
Outer Diameter 8", 6" Width 1", 1½", 2" Arbor 1"	#20 #40 #60 #80 #100 #180 #260 #360 #600 #1200

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

JEWELERS SUPPLIES



PERFECT DIAMOND LAP

Ideal for faceting, cabbing and polishing all kinds of precious, semiprecious and synthetic gemstones. These diamond laps are made of high-grade steel, which makes them sturdy and ensures long life.

Features:

- Made from high-quality RVD Diamond grit bonded firmly on a steel plate by an electroplating process.
- Perfectly flat and parallel to the surface.
- Available in 6" and 8" diameter with a standard 1/2" arbor. Custom made lapping discs can also be supplied in the desired grit size.

• You can also choose an Aluminum backing plate in conjunction with these laps. These plates are also available in 6" & 8" diameter to suit your diamond lap.

Diameter	Diamond Grit
8" / 6"	#60
8" / 6"	#80
8" / 6"	#100
8" / 6"	#180
8" / 6"	#220
8" / 6"	#260
8" / 6"	#360
8" / 6"	#600
8" / 6"	#1200
8" / 6"	#1500
8" / 6"	#1800
8" / 6"	#2200
8" / 6"	#3000





ALUMINUM MASTER LAP

These master laps are a perfect backing option for your diamond laps to get the best grinding and polishing experience. The diamond laps are intended to be mechanically clamped to a masterlap and these master laps are ideal to be used in conjunction with the diamond laps.

Features:

- · Made with high-grade Aluminum.
- Perfectly flat and parallel to the surface.
- Lightweight and sturdy.
- Come with 1/2" arbor size to support 6" and 8" diamond laps.
- Custom master laps can also be made to meet your machine specifications for finest faceting experience.



25Ct.PACK DIAMOND POWDER

Since diamond abrasives are super abrasives, they can be used for a wide range of lapidary applications from cutting to polishing. Understanding the industry requirement of finest quality diamond grits, we offer the best quality 100% synthetic diamond polishing powder to suit your saw/wheel mesh. Our diamond grits are widely preferred for their superior quality and are available in a range of mesh sizes to meet your application requirements. It can be used for almost all types of precious and semi-precious gemstones such as Ruby, Sapphire, White Topaz, Amethyst, Citrine, and Peridot. We advise using suitable mesh sizes for best results. The standard packaging is 25ct. bottle but custom packs can also be provided.



-APIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES



ZINCLAP

These laps ensure dimensional accuracy and are corrosion resistant. Ideal for polishing facet grade soft stones.

Features:

- Made with high-grade Zinc for excellent polishing.
- · Perfectly flat and parallel to the surface to ensure great balance and accuracy.
- Can be easily charged with diamond grit or other suitable polishing compounds.
- Available in the standard 6" and 8" diameters with a 1/2" arbor. Can also be custom made in your desired dimensions.

CHROME OXIDE LAP

Whether gemstone processing is your hobby or profession, our specially manufactured **Perfect** chrome oxide polishing lap is ideal for your soft stones. Our high-quality green polishing lap is carefully fabricated using the finest raw material procured from the most authentic sources in the industry. Known for its durability, sturdy construction, and exceptional performance, this premium lap is widely used the world over by lapidists for Emerald polishing. However, it is equally good for other soft stones with a hardness range from 5 to 8 on Moh's scale.

Features:

- Backed by a strong Aluminum base.
- Perfectly flat and parallel to the surface to ensure great balance and accuracy.
- Available in standard 6" and 8" diameter. Comes with a standard 1/2" arbor.
- Available in two qualities: **Standard** and **Premium** (With Diamond compound). Can be custom made in your desired dimensions.



COPPERLAP

These polishing laps can be used for both pre-polishing and final polishing. They work brilliantly for finishing gemstones to the finest level. Suitable for polishing hard stones like Corundum, Rubies & Sapphires.

Features:

- · Made with high-grade Copper for excellent polishing.
- · Perfectly flat and parallel to the surface to ensure great balance and accuracy.
- Can easily be charged with diamond grit or other suitable polishing compounds
- Available in the standard 6" and 8" diameters with a 1/2" arbor, these Copper laps can also be custom made in your desired dimensions.



PLASTIC LAP

If you want to polish hard and commercial stones, these laps are the most economical and effective option. Moreover, they can be used as backing discs with other polishing laps and work wonderfully with various polishing agents manufactured by us or other polishing compounds.

Features:

- Made with high-quality plastic.
- Perfectly flat and parallel to the surface to ensure great balance and accuracy.
- Can be used as a backing disc for other polishing laps.
- Available in the standard 6" and 8" diameters with a 1/2" arbor. Can be custom made in your desired dimensions.



LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT



DIAMOND LAPIDARY SAW BLADE



Diameter	Thickness	Arbor
6"	1.0 mm / 1.2 mm	25 mm
8"	1.0 mm / 1.2 mm	25 mm
10"	1.0 mm / 1.2 mm	25 mm
12"	1.0 mm / 1.2 mm	25 mm
14"	1.0 mm / 1.2 mm	25 mm



Diameter	Thickness	Arbor
4"	0.20mm / 0.25mm	1/2", 5/8"
5"	0.25mm / 0.30mm / 0.35mm	1/2", 5/8"
6"	0.35mm / 0.5mm	1/2", 5/8"
8"	0.5mm	5/8". 1"

The **Perfect** diamond saw blades are ideal for all your lapidary requirements. From gemstones to watch jewels, ceramic tubes, rods glass, silicon carbide, graphite electrodes, and quartz, our diamond saw blades can cut almost any rock with precision.

Features:

- · Highest quality thin diamond saw blades, popular for their aggressiveness, fast cutting capability, and smooth finish.
- · Made with high-grade steel.
- Great to use with water as well as oil-based coolants.
- Perfectly flat and parallel to the surface.
- Available in a range of sizes and thickness according to your saw machine and lapidary needs.
- All our saw blades are available from stock as standard products.
- These blades have a long tool life and can be custom made in desired dimensions (mm or inches).



ALUMINUM OXIDE

Premium quality Aluminum Oxide polishing powder. This ash color powder is available in different packaging, you can choose from 1, 5, 10 or 50 Kg packs. This powder can be used on Zinc or Tin laps or can be used in tumblers for polishing Cabochons.



CHROMIUM OXIDE

Premium quality Chromium Oxide polishing powder used for excellent polish on your gemstones. This green color powder is available in different packaging, you can choose from 1, 5, 10 or 50 Kg packs. This powder can be used on Zinc or Tin laps or can be used in tumblers for polishing Cabochons.



SILICON CARBIDE

Silicon Carbide is an efficient and low cost abrasive. Our industrial grade Silicon Carbide is finely sieved for different mesh sizes and can be used for different purposes. It provides for quick and smooth abrasive action when used in a tumbler for fine grinding or when drilling your stones in an ultrasonic drilling machine. Available in the grits 80#, 100#, 180#, 220#, 400#, 600# and 1200#. Higher grits can be available on special orders. Available in 1,5,10 or 50 Kg packs.



TIN OXIDE

Premium quality Tin Oxide polishing powder. This white color powder is available in different packaging, you can choose from 1, 5, 10 or 50 Kg packs. This powder can be used on Zinc or Tin laps or can be used in tumblers for polishing Cabochons.

-APIDARY EQUIPMENT

APIDARY SUPPLIES

LAPIDARY EQUIPMENT



BUFFWHEEL

Cotton buff wheels are a great option for polishing a variety of stones. You can polish cabs as well as faceted stones. Available in sizes from 4" to 14".

Features:

- · Made using high-grade felt for best polishing results and durability.
- Ideal for polishing cabs, faceted gemstones, and even metals.
- Available in a range of sizes from 4" to 14" diameter,.
- Available in 1" and 1-1/2" arbor.
- You can choose from hard and soft type, depending upon your application.



RESIN BOND WHEELS

PERFECT DIAMOND RESIN WHEEL

Research has shown that RVD diamonds, when bonded with suitable resins, are best for polishing gemstones. These SOFT Wheels can be mounted on all cabbing machines and are also suitable for smoothing, grinding and pre-polishing gemstones.

- · Made with high-grade industrial Resin and premium RVD synthetic diamonds.
- Have a strong Plastic hub, which also makes them very lightweight.
- Available in different sizes: 6"X1-1/2" and 8"X2" in the following grits: 100#,260#,600#,1200#,3000#,14000# and 50000#.
- Comes with standard 1" arbor with reducers for 3/4",5/8" and 1/2".

Size	Grit
6" x 1½"	#100
8" x 2"	#260
	#600
	#1200
	#3000
	#14000
	#50000

Lapidary Equipment

A wide range of quality lapidary machines & equipment for industrial users as well as hobbyists. Right from faceting, cabbing to rock tumbling and ultrasonic drilling, our equipment will take care of all your lapidary needs.



JEWELERS SUPPLIES

GEM DISPLAYS & PACKAGING

GEM EQUIPMENT

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES



PORTABLE FACETING MACHINE

This precision faceting machine is designed for heavy-duty work & higher productivity. The motor is totally isolated from the faceting unit. The precision machine spindle with plane bearings which ensures smooth & accurate running.

Features:

- As the faceter is mounted on a pillar, it can be lifted off quickly and turned for easy inspection.
- Grinding, lapping, and polishing can be done with the same machine by simply turning the faceter on the other lap.
- The faceters consist mainly of Bronze components.
- · Simple indexing method.
- Accurate angle adjustment.
- · Easy maintenance.

Specifications:

• Width x Depth: 700 mm x 450 mm

· Height: 460 mm

• Spindle speed: 700-2800 rpm

· Lap diameter: 150-200 mm

• Power required: 180 watts, ac 220 volts

· Net weight: 45 kg

Accessories supplied:

- 1 Pc. 6" Copper lap.
- 1 Pc. 8" Diamond lap.
- 150 Pcs. Dop Sticks



GEMSTONE CALIBRATION MACHINE

This gemstone calibration machine is equipped with a motor and reproduces the shape of all usual gems stones: oval, round, square, octagon, heart, pear marquise, trillion, six corner and eight corner etc. Various cams are used to obtain the true shapes. The diamond lap plate of 8" is used for grinding. The stone turns automatically with the help of a motor. The machine runs on 220V but can be made to run on 110V if requested. It is a high-quality machine for all types of gemstones. It can be used to manufacture precision goods.

Specifications:

· Height: 470 mm

Width x depth: 550 mm x 650 mm

· Lap Diameter: 200 mm

· Cams: Round, Oval, Square, Octagon, Heart, Pear, Marquise, Trillion, Six corner, Eight corner, etc.

• Dop: 8 mm Dia. 50 mm Length

· Electric Motor: Spindle Motor 180 watt, AC 220 volts

Coolant Motor: 50 watt, AC 220 Volts

NetWeight: 75 Kg



CONCAVE FACETING MACHINE

The concave faceting machine is suitable for producing precious and semi-precious gemstones with the special concave cut. This versatile machine can be used to produce precision goods as well as commercial quality gemstones depending on your requirement. This machine runs on 220V but can be made to run on 110V if required.

Includes the following:

- Faceting Table 4 Seater
- 2 Facetors & housing for the plates
- Electric motor 1/4 HP
- Diamond concave roller 600# & 1200# 5 each
- Polishing concave roller Copper 1
- Overhead LED lighting system



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LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

COMMERCIAL FACETING MACHINE

Commercial faceting machine for large production facilities is suitable for producing precious and semi-precious gemstones in an assembly line environment. This versatile machine can be used to produce precision goods as well as commercial quality gemstones depending on your requirement. This machine runs on 220V but can be made to run on 110V if required.

Includes the following:

- Faceting Table 6 Seater
- 6 Facetors & housing for the plates
- Electric Motor 1/2 HP
- 8" Diamond plate 600# & 1200# 1 each (with Backing plates)
- 8" Polishing plate Copper & Zinc 1 each
- Transfer fixture and Table polisher 1 each
- Dop sticks 100 Dops
- Dop stick stand
- Table polisher
- Overhead LED lighting system

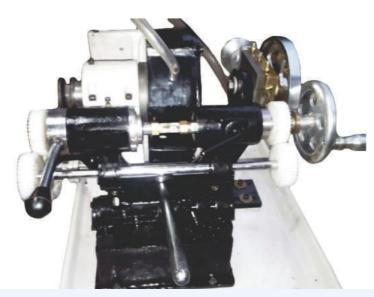


GIRDLE CALIBRATION MACHINE

This Girdle calibration machine for gemstones is equipped with a motor and is used to calibrate the girdle of a gemstone to a specific size. This is a manual machine and uses a diamond wheel of 6" diameter and 1/2" width. You can choose different grit sizes of wheels for different stones. The stone is held through a vise with Nylon bushes to avoid any damage to the stones. The vise is designed that the stone is automatically centered against the wheel. The machine runs on 220V but can be made to run on 110V if requested. It is a high-quality machine for all types of gemstones. It can be used to manufacture precision goods.

Specifications:

- Height:470 mm
- Width x depth: 550 mm x 650 mm
- Wheel Diameter: 150 mm
- Electric Motor: Spindle Motor 180 watt, AC 220 volts
- Coolant Motor: 50 watt, AC 220 Volts
- Net Weight: 65 Kg





TRIM SAW GRINDING MACHINE

Perfect combo machine is a mix of a trim saw and grinding machine for gemstones. It is a highquality machine useful by professionals to cut, slice and grind all types of gemstones at one place. It can be used to manufacture precision goods. This machine uses 8" flat Laps which can be mounted vertically on these machines and 4" or 5" Diamond saw blades to slice gemstones. An economical way to have two machines for one. The machine will runs on 220V but can be made to run on 110V if requested.





SINGLE USERTRIM SAW

This trim saw machine is a heavy-duty machine for fine slicing of gemstones. It has two models, one uses a 4" to 6" saw blades and the other uses 6" to 8" saw blade. It is a high-quality machine for all types of gemstones. It can be used to manufacture precision goods. The machine runs on 220V but can be made to run on 110V if requested.

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ULTRASONIC CARVING MACHINE

The ultrasonic carving machine is used for carving different shapes and figures on gemstones. For carving processing, it needs a steel mold. It can carve the stone according to the shape of the steel mold. It will take about 30mins to finish one carving product. The thickness range is from 1cm to 10 cm. This machine is suitable for most of the semi-precious and precious gemstones. It needs a mix of water and Silicon Carbide as a grinding medium.

Key Features

 Voltage: AC 220V Power: 2400w/3200w Frequency: 15KHz—20KHz

Dimension: 540mm×500mm×1500mm 5 pcs. steel molds supplied with the machine

ULTRASONIC DRILLING MACHINE

Ultrasonic multi drilling machine can drill holes on the multiple round beads in one go. It will take about 10mins to finish drilling on 55pcs 10mm round beads. (This drilling machine is only for round beads. The smaller the size the more quantity to drill). The size of round beads is 3mm-20mm, it can drill more than 19 to 211pcs (depending on the size of bead) a time. And the hole is 0.7mm- 2.0mm. This machine is suitable for most of the semi-precious and precious gemstones. It needs a mix of water and Silicon Carbide as a grinding medium.

Key Features

Voltage: AC 220V

Power:1500w

Frequency:15KHz—20KHz

Dimension:540mm×500mm×1500mm



PORTABLE ULTRASONIC DRILLING MACHINE

Ultrasonic drilling machine uses a method of brittle destruction by collision of abrasives which are forced against the workpiece by an ultrasonically vibrated tool assisted by an appropriate clamping force. The tool vibration can be of amplitude approx. 40-80 microns with frequencies of 25 kHz, sufficient to perform effective machining. Abrasives may be Carborundum, Boron Carbide or Diamond powder depending upon each work. Rougher grits provide quicker chipping but offer rougher finish. Abrasives are usually used in slurry (mixed with water).

Features:

- Suitable for precise drilling of any hard and brittle gemstone.
- Not only round but other shapes can also be processed as this machine is very flexible.
- High accuracy and fine finished are obtained depending upon the tool accuracy and grit size.
- Simple in operation. Even a beginner can operate the machine with ease.
- 4mm thickness can be drilled in 10-15 seconds on an average.
- Very low operative cost. Less than 4% weight loss in drilling on an average.

Specifications:

Ultrasonic Unit: 25 KHz 150 W ultra Tuning

Transducers: Electrostrictive PZT

Power Required: AC 220V, 50Hz. Approx. 250VA

Max. Drilling thickness: 10 mm



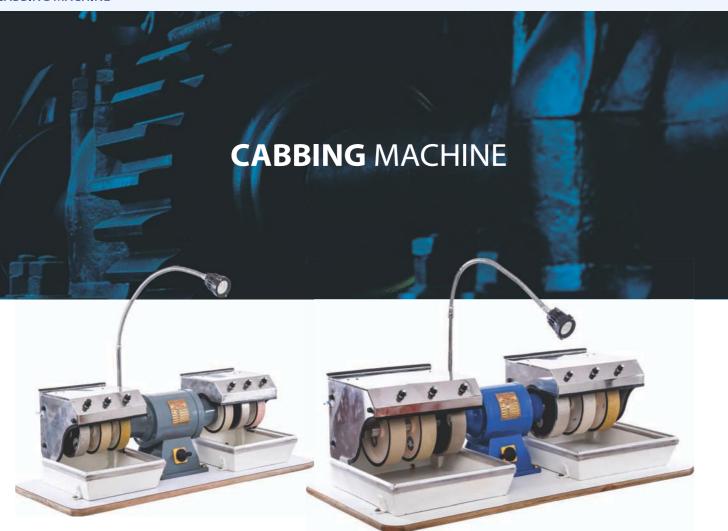


LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES



6" CABBING MACHINE

8" CABBING MACHINE

CABBING MACHINE

The cabbing machine comes with 1" stainless steel shafts, ball bearings, 7pcs Aluminum spacers, flanges, and locknut. It also has a 1 HP Thermal protected ball bearing motor, the hood process by 304 stainless steel. The cover has screws for easy removal and cleaning. We also supply an adjustable drip water system with shut-off valves for each wheel. The shaft is tapped for a 1/4-20 spin-on polish head at right ends and tapped for a 1/2" Aluminum lap or Diamond Facet Laps at left ends. Accepts Silicon Carbide or Diamond wheels or rubber expandable drums. This machine comes with 2 hard diamond Wheels (100# & 260#) and 4 soft resin diamond wheels (600#,1200#,3000#&14000#).

Features:

- Durable, direct drive 3/4HP, 1800RPM motor.
- Rust free, easy to clean, drip pans can be set up for forward or rear drainage.
- Runs on 220 V.
- Independently controlled drip water cooling system.
- Stainless steel, removable, independent hood.
- Separate mute submersible water pump.
- Water drainage system to eliminate constantly draining drip pans.
- A versatile shaft which can accept a variety of 1" arbor wheels.
- Available in 6" & 8" diameters.



Gem Equipment

"A microscope is a gemologists' best friend". Find our best in class microscopes, refractometers, polariscope and many other equipment for your business, gem lab or hobby.



LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

JEWELERS SUPPLIES

LAPIDARY EQUIPMENT



CARL ZEISS STEMI 508 TRINOCULAR MICROSCOPE

The ZEISS trinocular optical system comes with 10x eyepieces for 6.5x - 50x magnification and a wide viewing field for object up to 36mm. A further set of 16x eyepieces for a unique ZOOM magnification range in gemology of 10x - 80x can be purchased separately. The camera also has to be purchased separately.

Outstanding Optics Design:

- Apochromatic corrected ZOOM optics of ZEISS.
- Sharp, distortion-free 3D image over the whole visual field.
- Mechanical corrected ZOOM curve for largest ZOOM range: 8:1.
- A sharp 3D image in each ZOOM position.
- Distortion-free 10x eyepieces with a wide field of view: 36 mm at
- Distortion-free 16x eyepieces with a wide field of view:25 mm at 10x.
- Individual diopter correction at each eyepiece.
- Eyepiece adjustment: 55-75mm.
- C-mount adapter: 0.5x
- Working distance: 92mm (3,6").

Specifications of the BASE:

- Bright Field, dark field (LED) and LED fluorescent illumination and LED point source.
- Removable iris diaphragm: 2mm-41mm.
- 0-325 degrees rotatable base.
- Inclinable up to 38 degrees for better comfort and view.
- Magnetic tweezers for better grip.
- Voltage: 100V to 240V.



CARL ZEISS STEMI 305 TRINOCULAR MICROSCOPE

The Ziess trinocular optical system comes with 10x eyepieces for 8x-40x magnification and a wide viewing field for objects up to 23mm.



Outstanding Optics Design:

- Apochromatic corrected ZOOM optics of ZEISS
- Sharp, distortion-free 3D image over the whole visual
 - Mechanical corrected ZOOM curve for largest ZOOM range 5:1
- A sharp 3D image in each ZOOM position
- Distortion-free 10x eyepieces with a wide field of view 23
- Individual diopter correction at each eyepiece
- Eyepiece adjustment 55-75mm
- C-mount adapter 0.5x
- Working distance 110mm (3,6")
- Comes with a C-mount thread to mount a Camera

Specifications of the Base:

- Bright field, dark field (7W Halogen) and 7W fluorescent illumination
- Iris Diaphragm: 2mm-41mm
- 0-325 degrees rotatable base
- Inclinable up to 38 degrees for better comfort and view
- Voltage: 100V to 240V

CARL ZEISS STEMI 508 BINOCULAR MICROSCOPE

The ZEISS binocular optical system comes with 10x eyepieces for 6.5x - 50x magnification and a wide viewing field for objects up to 36mm. A further set of 16x eyepieces for a unique ZOOM magnification range in gemology of 10x and 80x can be purchased separately.

Outstanding Optics Design:

- Apochromatic corrected ZOOM optics of ZEISS
- Sharp, distortion-free 3D image over the whole visual field
- Mechanical corrected ZOOM curve for largest ZOOM range 8:1
- A sharp 3D image in each ZOOM position
- Distortion-free 10x eyepieces with a wide field of view 36 mm at 6.5x
- Distortion-free 16x eyepieces with a wide field of view 25 mm at 10x
- · Individual diopter correction at each eyepiece
- Eyepiece adjustment 55-75mm
- Working distance 92mm (3,6")

Specifications of the Base:

- Bright Field, dark field (LED) and LED fluorescent illumination and LED Point Source
- Removable Iris Diaphragm: 2mm-41mm
- 0-325 degrees rotatable base
- Inclinable up to 38 degrees for better comfort and view
- Magnetic Tweezers for better grip
- Voltage: 100V to 240V



LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

CARL ZEISS STEMI 305 BINOCULAR MICROSCOPE

The ZEISS binocular optical system comes with 10x eyepieces for 8x-40x magnification and a wide viewing field for objects up to 23mm

Outstanding Optics Design:

- Apochromatic corrected ZOOM optics of ZEISS
- Sharp, distortion-free 3D image over the whole visual field
- Mechanical corrected ZOOM curve for largest ZOOM range 5:1
- A sharp 3D image in each ZOOM position
- Distortion-free 10x eyepieces with a wide field of view 23 mm at 8x
- Individual diopter correction at each eyepiece
- Eyepiece adjustment: 55-75mm
- C-mount adapter: 0.5x
- Working distance: 110mm (3,6")

Specifications of the Base:

- Bright Field, dark field (7W Halogen) and 7W fluorescent illumination
- Iris Diaphragm: 2mm-41mm
- Working Distance: 110 mm
- 0-325 degrees rotatable base
- Inclinable up to 38 degrees for better comfort and view
- Voltage:100V to 240V



SACHI PROFESSIONAL STEREO ZOOM BINOCULAR MICROSCOPE

Full 360 rotating and tilt for user convenience. Darkfield illumination to detect inclusion and overhead fluorescent light for fast and easy identification and evaluation of gemstones & diamond. It offers a wide field of view, and quality optics deliver sharp and clear images. Features intensity light control, bright field, overhead light source, fiber optic light guide & stone holder.



Salient Features:

- Magnification: 10X-45X
- Eyepiece: WF10X
- Bright field, dark field (20W Halogen) and 7W fluorescent illumination
- Iris Diaphragm: 2mm-41mm
- Working Distance: 115 mm
- 0-325 degrees rotatable base
- Inclinable up to 38 degrees for better comfort and view
- Voltage:100V to 240V



Magnification	12X-78X, Extend to 9X-155X	Function	Camera drawing, video display,
Objective Lens	0.7X-4.5X		graphics measurement, video
Illuminant	LED Light built in design		recording.
Interface	HDMI/VGA Port	Inspection	High definition optical inspection
Screen	12" (282*178mm)	Upgrade	Access to usb storage and upgrade
Display resolution	1080P HD LCD screen	Measurement	Connect the mouse to operate



lab, education, etc.

Simple turning on with blue feedback



Quick focus adjustment



Uniform led illumination



HD LCD monitor (12")



Zoom magnification



USB connection for handling and saving

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-APIDARY EQUIPMENT

APIDARY SUPPLIES

LAPIDARY SUPPLIES

SACHI 67X STEREO ZOOM BINOCULAR MICROSCOPE

Full 360 rotating and tilt for user convenience. Darkfield illumination to detect inclusion and overhead fluorescent light for fast and easy identification and evaluation of gemstones & diamonds. It offers a wide field of view & quality optics to deliver sharp and clear images. Features intensity light control, bright field, overhead light source, fiber optic light guide & a stone holder.

Salient Features:

- Magnification: 10X-67X
- Eyepiece: WF15X
- Bright Field, dark field (20W Halogen) and 7W fluorescent illumination
- Iris Diaphragm: 2mm-41mm
- Working Distance: 115 mm
- 0-325 degrees rotatable base
- Inclinable up to 38 degrees for better comfort and view
- Voltage: 100V to 240V



SACHI STEREO ZOOM BINOCULAR STUDENT MICROSCOPE

A quality microscope with 10x advanced balanced visual response zoom together with the magnification range of 10x to 40x. Features intensity light control, dark field, bright field, overhead light source, stone holder and additional 20x lens (optional).



SACHI stereo Zoom binocular student microscope has become an absolute necessity for the professionals who require better precision, utility, and examination.

Salient Features:

- Magnification: 10X-40X (Expandable to 80X)
- Eyepiece: WF10X
- Head: 45 degrees inclined, 360 degrees swiveling
- Bright Field, dark field (10W Halogen) and 7W fluorescent illumination
- Inter-pupillary Distance: 55mm-75mm
- Working Distance: 85 mm
- Voltage: 100V to 240V



PREMIUM SACHI JEWELLERY MICROSCOPE

The Premium SACHI Jewellery Microscope is the preferred choice for all Micro-setters. This microscope comes with 10X WF eyepiece and has an optical zoom of 0.7X to 4.5X giving it a range of 7X to 45X. It's crossbar design gives the user enough working space and also a movable slider makes for swift movement while working on large designs. It is supplied with an LED Ring light for enough illumination while working. It has a 45 degrees inclined head and 360 degrees swiveling binocular.

STANDARD SACHI JEWELLERY MICROSCOPE

The Standard SACHI Jewellery Microscope is the perfect choice for all Micro-setters. This microscope comes with 10X WF eyepiece and has an optical zoom of 0.7X to 4.5X giving it a range of 7X to 45X. It comes with an adaptor of 0.5X to reduce the magnification to 3.5X. It's crossbar design gives the user enough working space. It is supplied with a wax setting bowl and LED Ring light for enough illumination while working. It has a 45 degrees inclined head and 360 degrees swiveling binocular.



SACHI 45X STEREO ZOOM BINOCULAR IMMERSION SCOPE

A quality microscope with 10x advanced balanced visual response zoom together with the magnification range of 10x to 45x. Features intensity light control, dark field, bright field, overhead light source, stone holder and additional 20x lens (optional). This immersion scope gives the possibility to perform immersion analysis by submerging a sample in liquid. If the stone's refractive index is close to the liquid's one, immersion makes the interior more visible by reducing the effects of refraction and surface reflection. This enables you to see a gem's inclusions or color distribution more easily. Immersion is also necessary to see crystal growth structures, which might help you separate natural from synthetic corundum. Features like curved growth striae in flame-fusion synthetics, or separation planes in assembled stones are often far easier to see when the stone is immersed.

Salient Features:

- Magnification: 10X-45X (Expandable to 90X)
- Eyepiece: WF10X
- Head: 45 degrees inclined, 360 degrees swiveling binocular
- Bright field, dark field (10W Halogen) and 7W fluorescent illumination
- Inter-pupillary distance: 55mm-75mm
- Working distance: 85 mm
- Voltage: 100V to 240V
- Glass chamber for immersion



GEM DISPLAYS & PACKAGING

GEM EQUIPMENT

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

C-MOUNT WIFI HDMI CAMERA FOR TRINOCULOR MICROSCOPE

C-Mount Wifi HDMI Camera adopts ultra-high performance CMOS sensor as the image-picking device. WIFI is used as the data transfer interface. When the camera is attached to the eyepiece of a microscope and started, it will generate a WiFi signal for sending high-resolution images from the microscope to WiFi-enabled devices such as smartphones, tablets, and computers with iOS, Android, OS X, Linux and Windows operating systems, streaming images to up to six devices simultaneously. The camera includes ToupView image software for quantifying, measuring and annotating images and for using with an interactive whiteboard. It also works with the free, downloadable Toupview app for viewing, capturing, and editing images.





C-MOUNT CMOS HDMI CAMERA FOR TRINOCULOR MICROSCOPE

This CMOS camera uses HDMI interface to stream the video to displayer or HDTV. Easy connection to the microscope with the C-mount optical interface. High-resolution 1280 × 720 (720P) and high frame rate, perfect color reproduction, highly integrated and compact, low failure rate and stable performance. The camera characteristic can be controlled by the mouse. The other basic processing and selection can also be realized by the XCamView software. The above characteristics can meet various applications and widely apply to industrial inspection, education, research, materials analysis, precision measurement, medical analyses, etc.

9" HDMI DISPLAY SCREEN FOR TRINOCULAR MICROSCOPE

The stunning 9" LCD display screen with HD 1080*720 resolution delivers excellent detail. Expansive Views, 9" LCD display screen offers consistent image clarity. When connected to the HDMI Camera with a Trinocular Microscope this 9" HDMI Screen gives excellent results and fine details of the specimen being viewed through the microscope. It is an excellent teaching aid for gemologists to show their findings to students.



EYE PIECE CAMERA



This is an economic version with simple and compact structure USB3.0 CMOS eyepiece camera. The eyepiece camera comes with high-speed USB3.0 interface and high frame rate video display keep the screen smooth without interruption. It can be used to transform the mono or binocular student microscopes to digital microscope. With 23.2 to 30mm or 23.2 to 30.75 convert ring, this camera can also convert the stereo microscope to digital stereo microscope.

EYEPIECE 16X/14

These Carl Zeiss 16x/14 eyepiece can fit both Stemi 305 & Stemi 508 models and can be used to increase the magnification of these microscopes suitably.



AmScope

RING LIGHT FOR MICROSCOPE

This LED Ring Light can be used with a microscope to provide a bright uniform illumination to view the object clearly. It has a regulator to adjust the intensity of light. It is very convenient if using digital microscopes to view the object on HDMI screens. It has individual power chord and can be assembled easily.

OBJECTIVE LENS 0.5X & 2X

These objective lens can be used in conjunction with your microscope to conveniently adjust the zoom capabilities.





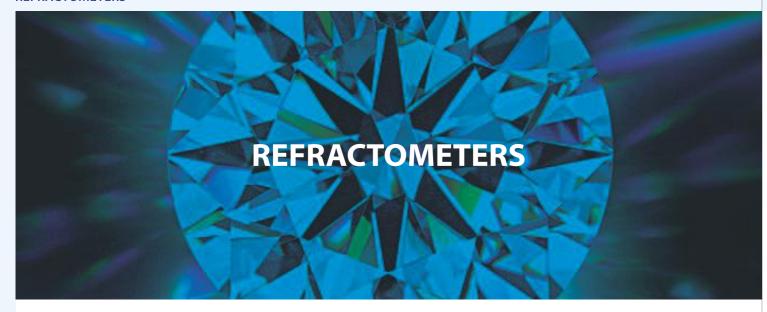
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LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT



PRESIDIUM REFLECTIVITY METER

By measuring the quantity of light reflected through the stone, the Presidium refractive index meter II (PRIM II) is able to separate Diamonds, Moissanite and other colored gemstones via the Refractive Index (R.I) of these polished gemstones.

Features

- Pinhole-sized light reflectivity measure on wide oval platform.
- Cover cup with blackout interior to ensure light reflectivity measure is accurate.
- Instantly displays direct R.I reading on digital index LED display panel.
- In-built refractive chart for referencing diamonds and simulants above R.I reading of 1.8.
- In-built 8-piece gemstone holder.
- Pocket-sized refractive index chart pull-out with R.I readings for 55 stones.





SACHI DIGITAL REFRACTOMETER

The digital gem refractometer is a quality optical instrument which will give reading of the refractive index of a clean, flat, wellpolished gemstone. It is an ideal instrument to identify the gem stones. It can test gemstones without requiring any messy, damaging contact oil. The working range of this refractometer is above 2.0

SACHI GEM REFRACTOMETER

Sachi gem refractometer is a low-cost lightweight measuring instrument used by jewellers and traders of gemstones to measure polished stones over a refractive index range of 1.30 to 1.81 RI. The instrument can also be used to identify whether a particular stone is Isotropic or Anisotropic (uniaxial or biaxial). Gemological (Gemstone) Refractometer is your primary and most powerful tool in gemstone identification. As with a typical critical angle refractometer, it will measure the Refractive Index of faceted stones.

Features:

- Approved by strict quality and safety standards for a long and trouble-free life.
- Can identify singly doubly refractive gemstones quickly and accurately.
- Uniquely designed for low battery consumption and portability.
- Guaranteed, high quality and accurate testing results.

Specifications:

Measuring Range: 1.30 - 1.81 RI Minimum Gradiation Value: 0.01 RI

Dimension: 30x70x130mm

Weight: 400g



FABLE FGR003 CZ REFRACTOMETER

Fable FRG003 Gemological refractometer is a low-cost lightweight measuring instrument used by jewellers and traders of gemstones to measure polished stones over a refractive index range of 1.35 to 1.81 RI and has a clean Aluminum table and a built-in light source. The instrument can also be used to identify whether a particular stone is Isotropic or Anisotropic (uniaxial or biaxial). Gemological (Gemstone) refractometer is your primary and most powerful tool in gemstone identification. As with a typical critical angle refractometer, it will measure the Refractive Index of faceted stones.

Features:

- It has high hardness CZ test table, with very low dispersion and the shadow edge is straight and clear. Scale range is 1.35-1.8 and has an easy to clean stainless steel table and can identify singly or doubly refractive gemstones quickly and accurately.
- · Uniquely designed low battery consumption and portable. Approved by strict quality and safety standards for long and trouble-free life. Guaranteed, high quality and accurate testing results.

Specifications:

Measuring Range: 1.30 - 1.81 RI

Minimum Graduation Value: 0.01 RI





LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

POLARISCOPE

FABLE FTP-49 POLARISCOPE

This desktop polariscope is very useful in identifying Moissanite, detecting strain diamonds and other gems and separating synthetic Aamethyst from genuine. Have a built-in light source specially designed for analysing and viewing if a gemstone is doubly (anisotropic) or singly (isotropic) refractive. Consists of two polarised filters one on the top (analyzer) and one on the bottom (polarizer) of the instrument.

Specifications:

- Upper polariscope glass filter
- Rotatable glass sample plate
- Interference ball
- Detachable power cable
- Dimensions:135mmx115mmx70mm
- PowerInput: 110V-220V 50Hz
- Set included: 1 x Bench Type Desktop Polariscope, 2 x Glass rotatable filters



DIAMOND COLOR MASTER

DIAMOND COLOR MASTER SET

Available in one carat size, a set of 10 stones (color range from D-M). The unique grading display/container is made of color grading-approved white acrylic & is equipped with a built-in grading tray. All stones are laser-inscribed with color letters for easy identification and handling. These CZ stones are made with Nano Technology in Japan with the highest standards of production. These stones have a 10-year warranty for the color. Comes with an attractive case.



DOUBLE BARREL PENTA PRISM SPECTROSCOPE

SPECTROSCOPES

A double barrel penta prism spectroscope is a unique and essential equipment for a Gemologist. It comes with two barrels, one for the visible spectrum of light and the other shows the scale of the spectrum which is adjustable with a screw at the end. This spectroscope is the same as the one which is mounted on a spectroscope station. It shows the absorption lines of the elements involved in producing the color in a gemstone. Spectroscope breaks up the light that is being transmitted from a gemstone to its spectral colors. This spectroscope is manufactured by Alfa Mirage Ltd. in Japan and is a high quality instrument.

FABLE SPECTROSCOPE STATION

This spectroscope station has a mounted double barrel spectroscope to see the various wavelengths absorbed by the gemstone. It has a halogen bulb of 50 W with a fiber optic tube. It helps distinguish naturally colored diamonds from those that have been irradiated and also helps to distinguish natural stones from synthetics by using stone's selective absorption of certain wavelengths.

Specification:

- Desk type, dual light, adjustable light source
- 12V/50W superior performance cold light type halogen lamp cup, high shiny efficiency. Meanwhile, minimize the heat level to the fiber
- Built-in radiating fan, which means the instrument can work a long time
- Imported superior quality, prism type scale spectroscope, slit adjustable, focal distance adjustable by Alfa Mirage, Japan
- Built-in scale: range from 400 to 700nm

PENTA PRISM SPECTROSCOPE

A Penta Prism spectroscope has 5 prism structure inside which allows a gemologist to see the different wavelengths absorbed by a particular stone. It is a more accurate spectroscope than the diffraction grating spectroscope and guite handy too.

DIFFRACTION GRATING SPECTROSCOPE

A diffraction grating spectroscope has a spectral filter which allows a gemologist to see the different wavelengths absorbed by a particular stone. It is the most reasonable spectroscope available in the market and guite handy too.



LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

GEM EQUIPMENT

GEM DISPLAYS & PACKAGING



FABLE HANDHELD DICHROSCOPE

A dichroscope shows whether or not a stone is dichroic (reflects 2 colors). This can be helpful in differentiating stones of the same color from one another. Dichroscopes can be useful with identifying gemstones that are still in the rough and when stones are set and difficult to get to with other instruments. It has a metal body.



LONDON DICHROSCOPE

A dichroscope shows whether or not a stone is dichroic (reflects 2 colors). This can be helpful in differentiating stones of the same color from one another. Dichroscopes can be useful with identifying gemstones that are still in the rough and when stones are set and difficult to get to with other instruments.

CALCITE DICHROSCOPE

A dichroscope shows whether or not a stone is dichroic (reflects 2 colors). This can be helpful in differentiating stones of the same color from one another. Dichroscopes can be useful with identifying gemstones that are still in the rough and when stones are set and difficult to get to with other instruments.

Specifications:

Type: Calcite

Diameter: 15mm

Length: 55mm

Body: Metal



RUBY FILTER

With Ruby filters, you can differentiate the genuine Rubies from the fake ones as well as checking the authenticity of sapphires with comfort and ease. While it was originally intended to rapidly differentiate between genuine Rubies and the pastes and doublets which resemble them it also is a valuable aid in identifying other colored stones as well. Designed to transmit only deep red and yellow-green light and the



best results are obtained when stones are examined under a strong electric light. It is definitely a helpful tool in identifying certain red, blue and green stones.

FABLE CHELSEA FILTER



It is an essential device in identifying colored stones. While it was originally intended to rapidly differentiate between genuine Emeralds and the pastes and doublets which resemble them it also is a valuable aid in identifying other colored stones as well. Designed to transmit only deep red and yellow-green light and the best results are obtained when stones are examined under a strong electric light. Chelsea is definitely a helpful tool in identifying certain red, blue and green stones. You can differentiate between genuine Emeralds from the fake ones as well as check the authenticity of Aquamarine and Sapphires with comfort and ease. Made of metal.

DARKFIELD LOUPE 10X

A 10X, 18mm Loupe with darkfield. It is a small instrument that provides 10x magnification as in a standard loupe, with an important added feature: it is combined with a specially constructed area that enables you to view a gem against a black background with strong lateral lighting. It allows grading of loose diamonds and colored stones as well as assists in detecting fracture filled stones.



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LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES



UV TORCH LIGHT

Practical, portable and versatile color-grading light that features UV short wave light and comes with a rechargeable battery and charger. The ultraviolet light can be used to detect fluorescence in Diamonds, Rubies, Emeralds, and Synthetics. Also, this torch can be used to identify synthetics from lots. Very economic and convenient gadget to own.



SHORT WAVE/LONG WAVE UV CHAMBER

Practical, portable and versatile color-grading light that features both UV short wave and long wave light and comes with a chamber for color grading. The ultraviolet light detects fluorescence in Diamonds, Rubies, Emeralds, and Synthetics. Also, this dark chamber can be used to identify synthetics from lots. This light has two tubes one for Short Wave (365nm) and the other for Long Wave (254 nm), both lights can be used individually or together for best results.

OPTICAL FIBER LIGHT 150W

This fiber optic illuminator provides strong, even and cool daylight illumination. It comes with 150 Watt (15V) Halogen light source and dual gooseneck lights. The inside fan design also allows the unit to work with very low noise. This cool high-intensity lighting system is excellent for Gemological, Biological and Electronic applications. The light intensity can be varied according to requirement with a knob. A portable device which can be used with any microscope to illuminate the specimen. The bulb is easily replaceable. This IC based device has strong internal circuit board for heavy duty working and long life.



OPTICAL FIBER LIGHT 50W



This fiber optic illuminator provides strong, even and cool daylight illumination. It comes with 50 Watt (12V) Halogen light source and dual gooseneck lights. The inside fan design also allows the unit to work with very low noise. This cool high intensity lighting system is excellent for Gemological, Biological and Electronic applications. The light intensity can be varied according to requirement with a knob. A portable device which can be used with any microscope to illuminate the specimen. The bulb is easily replaceable. This IC based device has strong internal circuit board for heavy duty working and long life.

FABLE OPTICAL FIBER LIGHT 50W

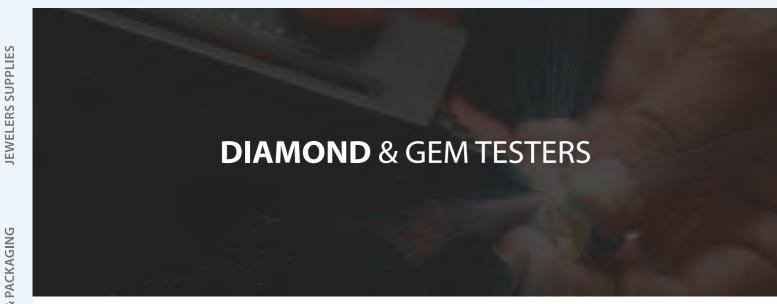
This fiber optic illuminator by Fable provides strong, even and cool daylight illumination. It comes with 50 Watt Halogen light source and dual gooseneck lights. The inside fan design also allows the unit to work with very low noise. This cool high-intensity lighting system is excellent for Gemological, Biological and Electronic applications. The light intensity can be varied according to requirement with a knob. A portable device which can be used with any microscope to illuminate the specimen.



LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT



PRESIDIUM GEM INDICATOR

The Presidium gem indicator is a handheld instrument specifically for colored gemstones. It indicates up to 31 different types of colored gems based on their thermal conductivity and even features a color input function that allows users to select from a range of 12 common colors, thereby achieving more accurate results. With an easy-to-read clear digital LED screen, this smart thermal tester also comes with the Presidium patented refined changeable probe tip, which ensures minimal equipment downtime.

Features

- Tests an extended range of 31 different gemstones
- Color input function to further separate gemstones for more accuracy
- Easy-to-read results on clear digital LED screen
- Quick results in less than 6 seconds
- A thin probe tip (0.45mm) for testing gemstones from 0.02ct
- A patented refined probe tip
- Metal buzzer alert and low battery indicator
- Sleek chrome-brushed ergonomic grip
- A USB port for alternative power source and connectivity



PRESIDIUM GEM TESTER II

In its second generation, the Presidium Gem Tester II provides a quick and easy way to identify Diamonds/Moissanite and separates up to 16 common colored gemstones based on their thermal conductivity with its clear and direct analog display. A newly redesigned inbuilt calibration reference and adjustment provides ease of operation both indoors and outdoors. (Does not differentiate between natural and synthetic colored gemstones)

Features

- Retractable thermoelectric probe tip that ensures constant pressure between probe and gemstone
- A thin probe tip (0.6mm) for testing gemstones as small as 0.02 carats
- Metal alert buzzer to ensure probe tip is in contact with gemstone during testing
- Clear and easy-to-read analog dial
- Can differentiate between 16 types of gemstones
- Built-in Glass and Calibration (CAL) test discs for reference

PRESIDIUM SYNTHETIC DIAMOND SCREENER II

The Synthetic Diamond Screener II is developed by Presidium to help screen out Type IIa colorless diamond, which is likely to be laboratory-grown and created through chemical vapor deposition (CVD) or high-pressure high temperature (HPHT) syntheses, from the natural Type Ia colorless diamond.

Features

- Advanced technology that measures a diamond's UV light transmittance ability
- 2 color-coded (blue/red) indicator light bars to give a low or high reading of UV light absorption with blue light indicating Natural Diamond and a red light indicating Type IIa Diamond
- Instantaneous clear results within 2 seconds
- A 5mm metal bar to conveniently raise the test probe for successive testing on loose stones
- Test button will blink in red to alert if the device is unable to detect any stones on the photodetector
- Auto shutdown of interior LED light source for safe testing when lid of device is open or when StartTest button is not activated
- A USB port for alternative power source and connectivity
- Low battery indicator
- Energy-saving auto power-off of the device after 10 minutes without operation





PRESIDIUM MULTITESTER III

The Presidium Multi Tester III (PMuT III) is the all-in-one instrument that reliably and accurately verifies the authenticity of colorless diamonds against moissanite and other diamond simulants such as colorless sapphire, colorless spinel, cubic zirconia, zircon, etc.

PMuT III has a retractable probe tip that ensures consistent pressure against the gemstone during testing for more reliable results. The PMuT III tests colorless diamonds as small as 0.02ct.

Features

- Retractable thermoelectric probe tip that ensures constant pressure between probe and gemstone
- Metal alert buzzer to ensure that the probe tip is in contact with gemstone during testing
- 180-degree multi-viewing LED display
- International voltage compatibility
- Low battery indicator
- Automatic power off

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-APIDARY EQUIPMENT

LAPIDARY SUPPLIES

JEWELERS SUPPLIES

LAPIDARY EQUIPMENT

PRESIDIUM MATE-A

The Presidium Diamond Mate Tester (PDMT) has a retractable probe tip that ensures consistent pressure against the gemstone during testing for more reliable results. With the industry's thinnest probe tip size of 0.6mm, PDMT tests diamonds as small as 0.02ct. Test results are instantly indicated by an LED light and continuous audible beep.

Features

- Retractable thermoelectric probe tip for enhanced accuracy that ensures constant pressure between probe and gemstone
- Thin probe tip (0.6mm) for testing diamonds as small as 0.02ct
- Metal alert buzzer to ensure that probe tip is in contact with stone during testing
- No waiting time between tests
- Clear and easy-to-read LED display
- Rechargeable batteries
- Low battery indicator
- Low battery consumption



PRESIDIUM DUOTESTER

Presidium Duo Tester (PDT) is the only comprehensive tool on the market that combines two proven testing methods for gemstones. PDT differentiates diamonds from its simulants based on both their thermal conductivity and reflective indexes. Coated gemstones can also be generally tested with the PDT. PDT tests gemstones as small as 0.02ct. (Does not differentiate between natural and synthetic colored gemstones)



Features:

- Retractable thermoelectric probe tip that ensures constant pressure between probe and gemstone
- Metal alert buzzer to ensure that the probe tip is in contact with gemstone during testing
- Large easy-to-read analog dial with 15 colored gemstones
- Digital index LED display for reading reflectivity value of the gemstone (based on a conversion from the refractive index)
- Built-in diamond and simulant test discs for reference
- Built-in simulant reflective properties reference chart
- Built-in simulant set for calibration of reflectivity meter (optional item provided by Presidium

GEMTRUE CVD + DIAMOND TESTER

Powered by four regular AAA batteries.

Gem True Veritas Diamond CVD & Moissanite Tester is the only machine available that tests for Diamond, CVD/HPHT and Moissanite.

Features:

- Comes with a micro-USB input that allows you to charge it through your laptop, PC or power bank.
- With its low battery warning and automatic shut off feature, this CVD diamond tester lets you take the most out of its battery life.
- Automatic calibration each time the tester is switched on. Thanks to this, you can enjoy perfect accuracy over and over again.
- Lifetime guarantee on the whole product.



GEMOLOGIS LAPIS DIAMOND TESTER

The LAPIS is the one and only rechargeable multi-tester you need to distinguish between diamond, moissanite, simulant, and metal. It features a unique ATC Solution (Ambient Temperature Compensation) which will make adjustments in accordance with the ambient temperature change to maintain its accuracy. This overcomes the shortcoming that many testers have, where the temperature of the stone affects the accuracy of the tester.

Features:

- Lightweight and comfortable grip size
- Rechargeable lithium battery
- Includes lanyard, metal stone rest and charging adapter
- 10 hours on continuous operation
- Retractable tip designed at an ergonomic testing angle
- Simple and easy to operate
- Testing size: 0.02 Carat
- ATC solution accounts for a different temperature of the testing environment



LAPIDARY EQUIPMENT

-APIDARY SUPPLIES

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

DENSITY DETERMINATION KIT

PORTABLE DENSITY DETEMINATION KITWITH SCALE

Portable density determination kit with Diamond Scale is a perfect companion for gemologists who are on the move and need to find the specific gravity of any stone. It is a small unit and can be stored in your bag pack. It comes with a diamond scale which has a max capacity of 100 carats and an error of 0.01 carat. This handy unit comes with a separate box for the density kit and case for the scale.





CONTECH DENSITY DETERMINATION SCALE

Contech high precision balances incorporate advanced Electro Magnetic Force Compensation (EMFC) technology for offering unmatched accuracy and reliability coupled with unique ADC circuit with inbuilt temperature compensation to offer very high stability.

Features:

- · Facility for programming density of the liquid (other than water) and temperature of the water.
- Determination of density of liquid samples (Optional).
- Determination of air release value for oil samples (Optional).
- Max Capacity of Scale: 220 gms / 0.001 gms

PORTABLE GEM LABS

PORTABLE GEM LAB

This professional Gem Lab is every Gemologists' dream. It consists of all the equipment you can expect in your lab with the ease of mobility. Weighs about 10 Kgs, this lab is very easy to carry in its sturdy Aluminum Casing. It comes with the following gem equipment:

- Professional gem microscope with zoom range of 7x-45x
- Gem refractometer with cz testing table
- Polariscope with conoscope
- UV chamber with true SW/LW
- Cold light source with fiber optic cable
- Diffraction grating spectroscope
- **Pen light**
- 10x loupe
- Dial gauge leverage type
- Diamond tester

- 6500K daylight
- Calcite dichroscope
- Chelsea filter
- Hardness pencil
- Diamond weighing scale
- Gem tweezer

Jewelers Supplies

Find all the essential supplies for a jeweler, right from loupes & tweezers to lamps, gauges and sizers. Choose the right ones to help you excel.



LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES





BAUSCH & LOMBTRIPLET HASTINGS LOUPE

Truly the finest magnifiers Bausch + Lomb has to offer, hastings triplet magnifiers incorporate three separate lenses, bonded together to form a compound lens to provide sharp, very distinct magnified image without distortion — even under 14 and 20 power magnification. The sides of the lenses are coated black to reduce glare when using. The swing-away, the nickel-plated case protects the lens and also serves as a handle.



Premium triplet loupes from the world's trusted brand in Jewellery's supplies, Rubin & Son Hong Kong, with accurate magnifications are available in 18mm and 21mm lens sizes. One of the best quality loupes, distortion-free viewing from any angle. They come with a magnification of 10X and packed in an attractive leatherette casing to keep them secure. These loupes are specially made with high precision lenses and are a jeweller's first choice for appraisals.



TRIPLET LOUPE WITH RUBBER GRIP



High quality triplet loupes with accurate magnifications are available in 18mm and 21mm lens sizes. One of the best quality loupes, distortion-free viewing from any angle. They come with a magnification of 10X, 20X and 30X and packed in an attractive leatherette casing to keep them secure. These loupes are specially made with high precision lenses in India and are a jeweller's first choice for appraisals.

TRIPOD - 10X TRIPLET SATIN

High-quality triplet loupes with tripod stand for diamond assorters are available in chrome and satin finish. One of the best quality loupes, distortion-free viewing from any angle. They come with a magnification of 10X and packed in an attractive leatherette casing to keep them secure. These loupes are specially made with high precision lenses in India.



TRIPOD-10XTRIPLET



High-quality triplet loupes with Tripod Stand for diamond assorters are available in chrome and satin finish. One of the best quality loupes, Distortion-free viewing from any angle. They come with a magnification of 10X and packed in an attractive leatherette casing to keep them secure. These loupes are specially made with high precision lenses in India.

GEM VUE TORCH WITH LOUPE

Handheld yellow torch, compact and totally portable. You will find many applications for this handy light. Attached to the light is a powerful 10X magnifier to examine specimens in depth. An outdoor researchers' pet tool. Uses 2 AAA Batteries. Comes in a stylish carry case.



KAFFTRIPLETLOUPE



High quality triplet loupes with accurate magnifications are available in 18mm and 21mm lens sizes. One of the best quality loupes, distortion-free viewing from any angle. They come with a magnification of 10X and packed in an attractive leatherette casing to keep them secure. These loupes are specially made with high precision lenses.



EYEGLASS

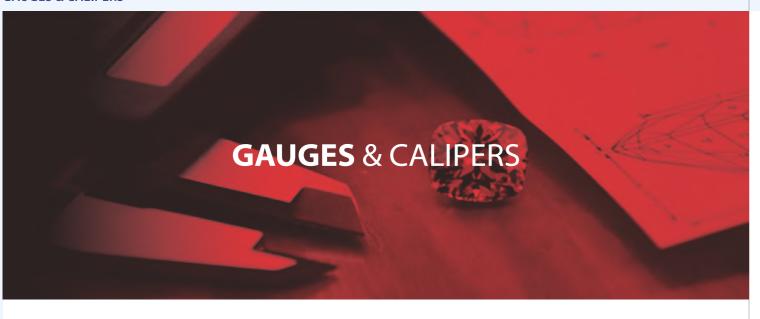
These inexpensive folding eyeglasses deliver easy & efficient viewing used primarily by Diamond/Gemstones polishing operators. Available in Various magnification & sizes: 5x, 8x & 10x.

-APIDARY EQUIPMENT

LAPIDARY SUPPLIES

APIDARY SUPPLIES

LAPIDARY EQUIPMENT





KAFER DIAL GAUGE

This state-of-art instrument can be used with all stones and perfect for calibrating gemstones and diamonds. It measures upto 10mm/20mm with an accuracy of 0.1mm. Made in Germany these Superior quality precision, these gauges are built to last, with hardened anvils that resist wear & tear and maintain accuracy for a long time. Comes with a compact carry case.

DIAL MEASURING GAUGE

This state-of-art measuring instrument can be used with all stones and is perfect for calibrating gemstones and diamonds. It measures upto 10mm/20mm with an accuracy of 0.1mm. Built to last, with hardened anvils that resist wear & tear and maintain accuracy for a long time. Comes with a compact carry case.





ROUND DIGITAL GAUGE

These digital gauges rid people of having to manually read the gauges to measurements. The digital display gives an accurate reading of your specimen, while allowing for inside, outside and depth measurements. This round digital gauge can measure upto 25mm. Can be used to measure in Inches as well as mm. Long lasting gauges are a jewelers' best friend.



Presidium gem computer gauge measures the dimensions and estimates the weight of loose and mounted gemstones with precision, speed, and ease. It gives a direct estimation of the weight of various gemstone of a range of 9 popular cuts, giving users the convenience of not having to dismount their gemstones from its jewelry settings. The gauge is also able to estimate the identity of the gemstone, by computing its S.G. value.

Features

- Measures from 0.0 to 25.0mm
- Accuracy: 0.01mm/Tolerance:0.02mm
- Automatically shut off when idle for 10 minutes
- Auto-magnetic shut-off when placed in carrying case
- Specific Gravity (S.G.) dictionary for quick and easy reference included
- CD-ROM containing information on 133 gemstones



 $0.00\,\mathrm{mm}$

0.000 ct

Presidium

A reliable choice with an ability to convert gemstone dimensions to estimated carat weight for round brilliant-cuts. Utilizing solid-state electronics to accurately measure up to 1/100mm, this gauge also features a clear and visible high-tech digital display for ease of reading measurements.

Features

- Measures from 0.0 to 25.0mm
- Accuracy: 0.01mm/Tolerance: 0.02mm
- Touch button zeroing that allows the convenience of resetting to zero at any measurement point
- Smooth slider mechanism
- Attachment for high-setting jewelry provided as an accessory
- Presidium gemstone weight estimation table provided
- Auto-magnetic power off when placed in carrying case



PRESIDIUM DIAL GAUGE

Presidium dial gauge measures from 0.0 to 23.0mm in 0.1mm divisions. It combines dual measurements for gemstones in millimeters with corresponding carat conversion for round brilliant-cut gemstones.

Features

- Measures from 0.0 to 23.0mm
- Accuracy: 0.1mm / Tolerance: 0.02mm with simple zero realignment
- Analog gauge with mm/ct/ring size display
- Smooth slider mechanism
- Compact protective case included
- Attachment for high setting jewelry provided
- Presidium gemstone weight estimation table provided

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

GEM EQUIPMENT

LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES



DIGITAL CALIPER

Smart digital calipers, available in 100 mm & 150 mm are inexpensive measuring tools for anyone. Measure in inches as well as mm. Fitted with bright and large digital displays for clear readings. Handy tool for all jewelers.

26MM DIGITAL MEASURING GAUGE

These digital gauges rid people of having to manually read the gauges to measurements. The digital display gives an accurate reading of your specimen, while allowing for inside, outside and depth measurements. Available in 13mm, 15mm and 26mm sizes. Can be used to measure in Inches as well as mm. Long lasting gauges are a jewelers' best friend.





DIGITAL MEASURING GAUGE

These digital gauges rid people of having to manually read the gauges to measurements. The digital display gives an accurate reading of your specimen, while allowing for inside, outside and depth measurements. Available in 13mm, 15mm and 26mm sizes. Can be used to measure in Inches as well as mm. Long lasting gauges are a jewelers' best friend.

BRASS CALIPER

Precision Brass calipers that provide fast and accurate outside, inside, depth and step measurements. You can choose between inch or metric readings. Available in 100mm/80mm with and accuracy of 0.01mm







20GMS DIAMOND SCALE

Precise & economic diamond Scales for jewelers on the go. A guick and efficient product for on the go appraisals. Available in a two of capacities 20gms & 50gms. Allows for different weighing modes like Gms & Carats etc. Light weight & in expensive product for your toolkit.

2KG POCKET SCALE

Economic pocket scales for jewelers on the go. A quick and efficient product for on the go appraisals. Available in a variety of capacities 200gms, 500gms & up to 2000gms. Allows for different weighing modes like Gms & Carats etc. Light weight & inexpensive product for your toolkit.





500GMS POCKET SCALE

Economic pocket scales for jewelers on the go. A quick and efficient product for on the go appraisals. Available in a variety of capacities 200gms, 500gms & up to 2000gms. Allows for different weighing modes like Gms & Carats etc. Light weight &inexpensive product for your toolkit.

200GMS POCKET SCALE

Economic Pocket Scales for jewelers on the go. A quick and efficient product for on the go appraisals. Available in a variety of capacities 200gms, 500gms & up to 2000gms. Allows for different weighing modes like Gms & Carats etc. Light weight & inexpensive product for your toolkit.

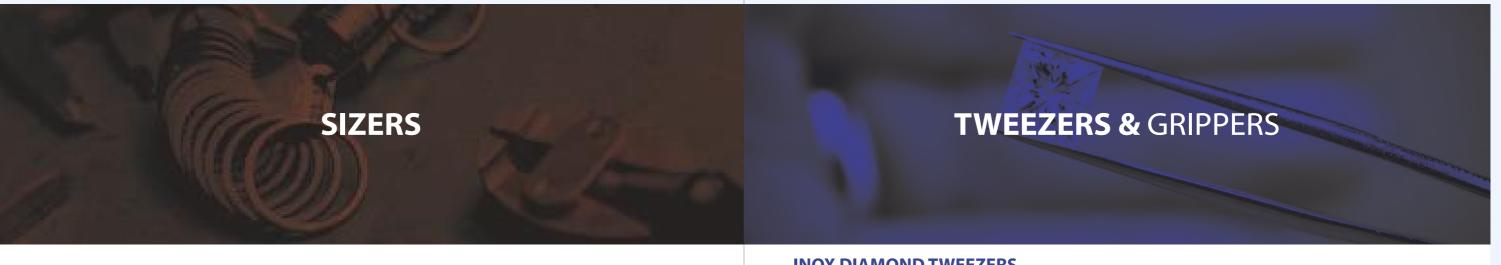


-APIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT



BANGLE SIZER

An indispensable tool for any jeweler, ring and bangle sizers. Available in stainless steel, these sizers are carefully manufactured to the right sizes. The all conform to the US sizes. Pick the right one for you from a selection of different types.



INOX DIAMOND TWEEZERS

The most important & simple tool made of the best quality spring steel to ensure the proper grip and handling of precious goods. Also available are special light-weight Titanium tweezers in different configurations for long usage without tiring. Available with and without groove and with and without diamond-coated tip, suitable for all different size stones/diamonds.





RING SIZER

An indispensable tool for any jeweler, ring and bangle sizers. Available in stainless steel, these sizers are carefully manufactured to the right sizes. The all conform to the US sizes. Pick the right one for you from a selection of different types.



ECONOMICAL GEMTWEEZER

The most important & simple tool made of best quality spring steel to ensure the proper grip and handling of precious goods. Available with and without groove, suitable for all different size stones/diamonds.

PLASTIC RING STICK

An indispensable tool for any jeweler, ring sticks. Available in Steel and plastic these sticks are carefully manufactured to the right sizes. They all conform to the US sizes. Pick the right one for you from a selection of different types.



TITANIUM TWEEZER

The most important & simple tool made of the best quality spring steel to ensure the proper grip and handling of precious goods. Also available are special light-weight Titanium tweezers in different configurations for long usage without tiring. Available with and without groove and with and without diamond-coated tip, suitable for all different size stones/diamonds.





METAL RING STICK

An indispensable tool for any jeweler, ring sticks. Available in Steel and plastic these sticks are carefully manufactured to the right sizes. They all conform to the US sizes. Pick the right one for you from a selection of different types.



4 PRONG GEM/DIAMOND GRIPPER

4 Prong Gem/Diamond grippers are a handy tool for people not comfortable with tweezers. Easy to use pickers to quickly pick and display stones or other small specimens. Made of high quality stainless steel for perfect grip. Available in small and large sizes.

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LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES

_APIDARY EQUIPMENT



STAINLESS STEEL GEM SHOVELS

These gem and diamond scoops are made out of best quality non-magnetic stainless steel. Designed for convenient handling, available in a set of 6 shovels of different sizes. Very useful for bagging and picking up your stones or specimens.



DIAMOND SEIVES

A simple yet very powerful tool for all diamond and gemstone merchants. Very easily sieve your round calibrated stones to perfect sizes using these sieves. Available in 3 diameters 80mm, 66mm, and 47mm with sizes ranging from 0.5mm to 4.5mm. Made from highgrade stainless steel and carefully cut from laser machines for precision holes. A must for every diamond trader. Available in 2 models regular & X-Fine.

Size	Plates
47mm	42
66mm	42
80mm	42 / 75





X-Fine

LED DIAMOND GRADING LAMP

The lamp comes with an LED cool daylight tube for optimal lighting. The head can rotate left and right with 180 degrees and flip up and down 90 degrees. It provides perfect white light so the strain on the eyes is minimal. The light intensity of this lamp is unmatched and is a top choice for all diamond graders.

LAMPS & MAGNIFIERS

KEY FEATURES:

- Soft cool LED for natural color
- Conveniently adjustable height and arm
- Comes with a table clamp so it can be installed anywhere with ease

PORTABLE MAGNIFYING LAMP

This economical magnifying lamp is a simple and effective solution for seeing almost anything bigger, better and brighter. The lamp comes with a CFL tube for optimal white lighting. The lens head can rotate left and right and flip up and down.

KEY FEATURES:

- Soft cool CFL for natural color and shadow-free magnification
- Conveniently adjustable height and arm for magnification in any position
- 3 Diopter Magnification Glass

PERFECT 4 LIGHT LED WONDER LAMP

Completely customize your illumination. There are 4 light modes which can be adjusted to five different brightness levels: Diamond, Jewellery, Jadeite & Gemstone mode. Each mode is calibrated to provide optimum lighting. With 180° swivel, height, and angle adjustment, you can shed light exactly where you need it.

KEY FEATURES:

- Rotatable Switch to adjust the intensity of light
- Conveniently adjustable height and arm
- Strong Round Base to keep the lamp stable



MAGNIFYING LAMP

This magnifying lamp is a portable and effective solution for seeing an object bigger, better and brighter. The lamp comes with a 30 pcs high luminous LED cool daylight tube for optimal lighting. The lens is adjustable for convenient viewing angle.

KEY FEATURES:

- Soft cool LED for natural color and shadow-free magnification
- 4" lens size & 5 diopter magnification glass
- Sturdy construction, made of Glass, PC, ABS and Fe.



-APIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY SUPPLIES



MINI DIAMOND GRADING LAMP

This Portable grading lamp is a simple and effective solution for Professional diamond and gem assorters. The lamp comes with two daylight tube for optimal lighting. The head can rotate left and right with 180 degrees and flip up and down 90 degrees. It provides perfect white light so the strain on the eyes is minimal. The light intensity of this lamp is unmatched and is a top choice for all diamond graders.

KEY FEATURES:

- Cool daylight for natural color
- Power on and off switch
- Conveniently adjustable height and arm
- Comes with a base to keep the lamp stable

4 LIGHT LED WONDER LAMP

Completely customize your illumination. There are 4 light modes which can be adjusted to five different brightness levels: Diamond, Jewellery, Jadeite & Gemstone mode. Each mode is calibrated to provide optimum lighting. With 180° swivel, height, and angle adjustment, you can shed light exactly where you need it. A memory function recalls the last mode and brightness level.

KEY FEATURES:

- Soft cool LED for natural color
- 60-minute Timer
- Conveniently adjustable height and arm
- USB charging mode for Mobile Phones
- Soft Touch Panel for switch





ILLUMINATED MAGNIFYING LAMP

This premium-grade lamp is a simple and effective solution for seeing almost anything bigger, better and brighter. The lamp comes with an LED cool daylight tube for optimal lighting. The lens head can rotate left and right with 360 degrees and flip up and down 180 degrees

KEY FEATURES:

- Soft cool LED for natural color and shadow-free magnification
- $Conveniently\,adjustable\,height\,and\,arm\,for\,magnification\,in\,any\,position$
- 5 Diopter Magnification Glass

ECONOMICAL FOLDING LAMP

This portable Grading Lamp is perfect for Diamond/Gemstone grading or jewellery appraisal on the go. The metal plate on the back has a slot for a screw. Its portable size is ideal for traveling. It has a low power consumption. It uses CFL tube for lighting which is easily replaceable.





MINI PEARL DRILLING MACHINE

This mini pearl drilling machine is suitable to drill pearls From 2mm up to 20mm. Power Source 220V. Can be used for accurate holing on such precious stone as pearl, coral, amber and ornaments components such as gold, silver, and copper. This is suitable for round pearls. There is a dust-falling hole at the bottom of clamping fixture table, which can enable this holing machine to hole in batch (because a great number of pearl powder will be produced when pearls are holed in batch, working piece inside clamping fixture table is easily blocked) without cleaning out pearl powder chips regularly, thus ensuring a long-term normal use of the holing machine. Control collection and rotation of pearl by using the rotary handle easily. Designed with power-assisted handle device, saving effort and providing convenience.





PORTABLE PEARL DRILLING MACHINE

Very handy machine for drilling pearls. Suitable to drill pearls from 2mm up to 20mm. Power Source 220V. Can be used for accurate holing on such precious stone as pearl, coral, amber and ornaments components such as gold, silver, and copper. This is suitable for round pearls. There is a dust-falling hole at the bottom of clamping fixture table, which can enable this holing machine to hole in batch (because a great number of pearl powder will be produced when pearls are holed in batch, working piece inside clamping fixture table is easily blocked) without cleaning out pearl powder chips regularly, thus ensuring a long-term normal use of the holing machine. Control collection and rotation of pearl by using the rotary handle easily. Designed with power-assisted handle device, saving effort and providing convenience in use.

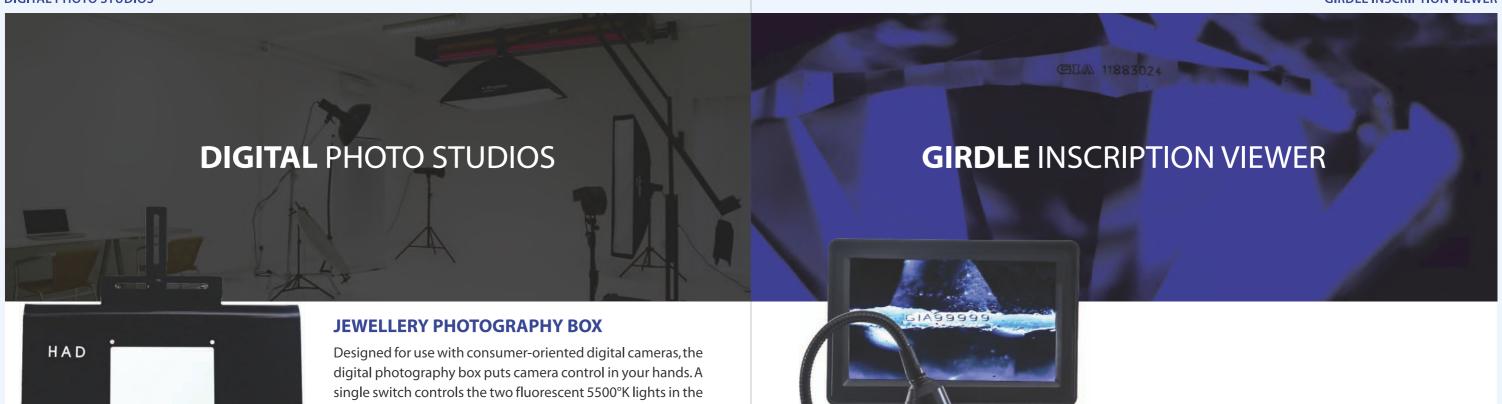
LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

QT-315

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT



13.3"X12.2"X10.6"

External Measurement QT-295 10.2" X 7.8" X 7.8" 11.8"X9.4"X9.5" QT-305 13.7" X 11.8" X 11.2" QT-310 15.7" X 14" X 12.9"

Internal Measurement 7.5" X 6" X 5.7"

9.4" X 7.4" X 7.2" 11.2"X9.8"X8.8" 13.3" X 12.2" X 10.6" 20.8" X 17.3" X 16.9" bottom and back of the box. The bright white interior side panels and door provide the perfect reflective surfaces to complement the diffused lighting. The magnetically hinged door can be opened and removed in one easy step for quick and easy placement of your jewelry. It also creates a shadowfree, wraparound lighting environment ideal for jewelry photography.

Features:

- · Single-switch operation
- Reflective lighting
- Compact size for portability
- Sturdy construction
- Diffused lighting
- Flexible camera angles
- 5000°K fluorescent lighting



360° PHOTOGRAPHY ACCESSORIES



ROTATING DISPLAY



SOLAR POWERED TURN TABLE



MIRROR ROTATING DISPLAY

MINI DIAMOND GIRDLE INSCRIPTION **VIEWER**

The digital girdle viewer is an innovative solution for displaying the wide variety of information that can be found on a diamond's girdle, including certificate numbers, brand logos, security marks and more. The girdle viewer has a 4.8" high-quality LCD display that rotates and pivots for easy use at a counter. The viewer comes with an LCD power cord and the special holders for both rings and loose diamonds. The unit offers magnification from 30X to 110X and is easy to focus and zoom in.

KEY FEATURES

- · Girdle viewer for both loose and mounted
- High power rechargeable batteries
- Easy to carry
- High precision camera and LCD screen

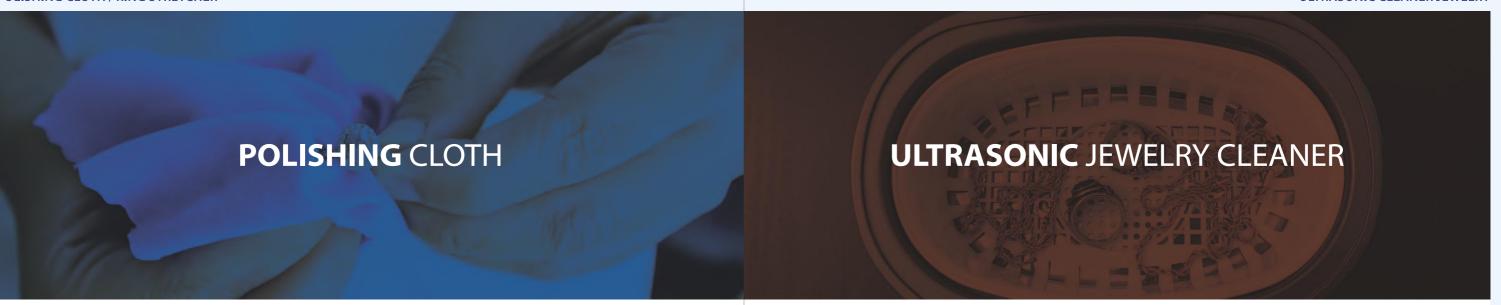


LAPIDARY EQUIPMENT

LAPIDARY SUPPLIES

LAPIDARY EQUIPMENT

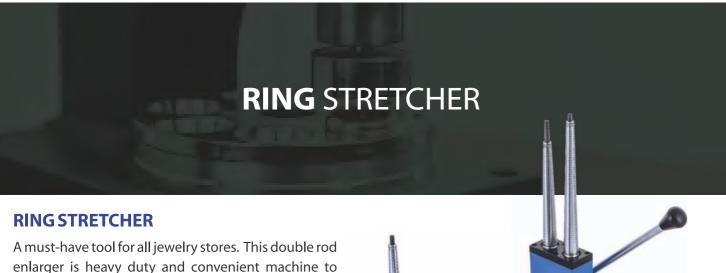
LAPIDARY SUPPLIES



GEM/JEWELLERY POLISHING CLOTH

Soft & natural cloth used for cleaning your precious and loose stones. Made from 100% cotton it leaves no lint. Selvets are also used to smoothly clean your jewellery while protecting its polish. These cloths are available in 2 sizes 8X8 cm and 10X10 cm. We welcome customer's logo printing on quantity orders.





enlarge or reduce the rings of the customers quickly.

Available in 2 models Single Rod & Double Rod.

KEY FEATURES

- 2 in 1 heavy duty ring stretcher/reducer for quickly resizing your bands or rings.
- Vertical mandrel for enlarging rings.
- Maximum enlarging:0-5mm.
- Smooth reducing plate.
- Suitable for any jewelry repair store or for personal use.



Single Rod

ULTRASONIC JEWELRY CLEANER 3800

Technologically advanced with programmable features, digital operation with power tracking capabilities to adjust for light/heavy loads, high/low power control. Degassing and sleep mode make extremely versatile frequency eliminates standing waves and creates consistent cavitation throughout tank. Plastic body, chemical-resistant 600ml 35W ultrasonic cleaner with digital timer and barker for dental tattoo, coin, jewelry, glass and watch.





ULTRASONIC JEWELRY CLEANER 4800

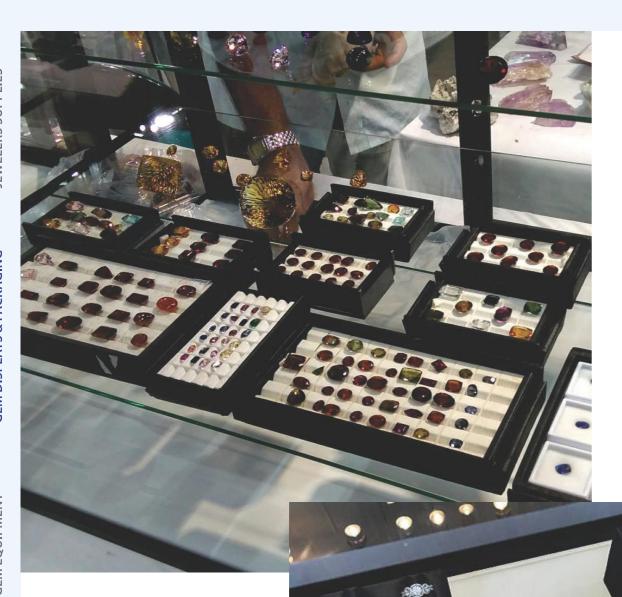
High power transducer for superior cleaning results large tank capacity for professional cleaning of jewellery. Keeps water away from circuit for enhanced safety, first ultrasonic cleaner to introduce cooling fan for prolonged operation, quiet, solidstate circuitry. Electronics components, mechanical parts, Jewelry, watches, straps and bands, glasses can also be cleaned.

ULTRASONIC JEWELRY CLEANER 4860

This digital ultrasonic cleaner has powerful transducer, heater and large tank capacity for superior cleaning results, making it great for professional cleaning. It uses digital program in ultrasonic cleaner to control the unit, according to the quantity and condition of the items to be cleaned to choose a working cycle. As a result, it is more convenient and the cleaning results are more remarkable!



LAPIDARY EQUIPMENT



Gem Displays & Packaging

Show your unique and precious gems in style with these elegant displays.



GEM STONE BOX

Great Looking and very inexpensive displays for your gems, specimens, minerals and coins. Top quality and best price for an essential product for all gem hobbyists and professionals. Display & preserve your collections in these quality boxes which come with an outer covering of BLACK PU and glass and have a foam cushion inside to safely preserve and display your gems.

Available sizes:

- 3"X4"
- 5"X7"



LEATHERETTE BOX

Great looking leatherette display boxes with a black border and white cushion for your gems, specimens, minerals and coins. Top quality and best price for a premium showcase product for all gem hobbyists and professionals. Display & preserve your collections in these quality boxes.

Available sizes:

- 2"X2"
 - 3"X2" 4"X5"

2"X2"

WHITE GEMSTONE BOX

Great Looking and very inexpensive displays for your gems, specimens, minerals, and coins. Top quality and best price for an essential product for all gem hobbyists and professionals. Display & preserve your collections in these quality boxes. These white boxes are available in different sizes to meet your requirements.

Available sizes:

- 1"X1" 1.5"X1.5"
- 2.5"X2.5" 3.5"X3.5"



LAPIDARY EQUIPMENT

APIDARY SUPPLIES



GEM STONE DISPLAY TRAY

Beautiful & elegant gem trays to display lots to potential customers. Available in three colors, white, cream & black for different colored stones.

A selection of four sizes to choose from. A perfect product to display your goods at the Gem Shows.



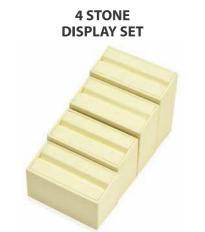
GROOVE STONE DISPLAY



Color Length Lines 3, 5 White / Ivory 3, 5 White / Ivory

Enhance the beauty of your precious stones using our gemstone displays. Carefully designed to bring out the best

in the stones at gem shows and stores, these displays are manufactured using quality materials in India. Innovative designs to attract potential buyers, available in different colors and sizes.





SINGLE STONE

GEMSTONE & DIAMOND PARCEL PAPER

PREMIUM PARCEL PAPER FOR DIAMONDS

Store and secure your precious gemstones and loose diamonds in these premium parcel papers. Manufactured with very thin papers to protect the stones from scratching. Ideal product to store and transport precious stones and diamonds. These parcel papers have 3 blue very thin papers inside and one thick white paper outside. The size if the packet is 80mmX45mm. It comes in a pack of 4 with each pack having 25 individual parcel papers. First choice of all diamond dealers around the world. We also do custom printing of your logo on the parcel papers with a minimum quantity of 500 packs. Please contact us for custom requirements.



STONE DISPLAY



