

**2017
New Product
Supplement
To Catalog CAT2016**

1080P FULL HIGH DEFINITION DIGITAL MICROSCOPE

10X to 220X Magnification

Enhanced viewing, measuring, and recording of gemstones, jewelry, and more

- Easy to use
- Top quality image sensor
- Superior image quality
- Top quality glass microscopic lens
- Images easily shared in full HD

Specifications:

3.5" LCD Screen with HD Color Display HDMI Digital Microscope

Video crystal output: 1080p Full HD Image: 3 Mega Pixels

Photo format: JPEG

Manual focus from 10mm to 500mm Magnification:

10X to 220X Illumination: 8 LED, adjustable

Storage: MicroSD card, up to 32G (not included)

No. 29.900HD



1080P FULL HD DIGITAL MICROSCOPE

10X - 220X magnification

- This high-tech, easy-to-use HDMI Digital Microscope provides 1080p video crystal output directly
- It adopts top quality image sensor and corresponding glass microscopic lens, ensuring the best image quality in the digital microscope field
- It outputs stunning video image, so user can easily share full HD microscopic image with others
- It supports photo capture and Micro-SD card storage; it can also work on PC
- Great tool for appraisers, jewelers, watch repairmen

Image: 3 Mega Pixels, Video output: 1080p Full HD, Video format: MJPEG, Photo format: JPEG, Focus Range: Manual focus from 10mm to 500mm, Magnification Ratio: 10X to 220X, Video-output Interface: HDMI, to any monitor with HDMI-In. Storage: MicroSD card, up to 32G (not included), Light source: 8 LED adjustable

No. 29.905

VISIO-TEK™ WIRELESS DIGITAL MICROSCOPES *New Technology – New Microscopy*

Different models for your specific needs!

Versatile and portable, digital microscopes that utilize both Wi-Fi and USB transmission. **Visio-Tek can be connected to iOS and Android smartphones or tablets via the Visio-tek App**, as well as through a Wi-Fi/USB connection to Windows and Mac computers or laptops. Using Visio-tek dedicated software, you can capture pictures, shoot videos, and take measurements. This is the state-of-the-art way to observe the micro-world!

* App can be downloaded for Apple and Android



VISIO-TEK™
Wireless digital microscope
for Grobet USA

WHITE LIGHT

The standard model. Suitable for applications that allow you to see the natural and visible spectrum of light. Eight adjustable LED lights.
No. **29.950** *White LED Lights*

POLARIZING FILTER

This best-selling model incorporates polarizing light to decrease glare on plastic, metals, and precious stones. The polarizer gives you a darker, more saturated, sharper image with increased contrast. Polarizing the light increases and maximizes vision quality. The best choice for professionals! Eight adjustable LED lights.
No. **29.951** *White LED Lights and Polarizer*

IR/UV WHITE LIGHT

UV light is essential for seeing elements that are made with chemical structures which react to UV. Essential for working with diamonds. Four adjustable LED lights and four adjustable UV LED lights.
No. **29.952** *White LED Lights and UV LED Lights*

FEATURES

- Photo & video resolution: 1.3MPx -1280x1024, 640x480, 320x240
- Adjustable magnification: 5X ~ 200X
- Frame rate: up to 30fps
- Polarizing Filter
- IEEE 802.11 b/g/n standards compliant
- Wireless transmission distance: up to 5m
- Frequency range: 2.400GHz ~ 2.4835GHz
- Li-ion battery: continuous working time - appx. 2 hours full charging time - appx. 4 hours
- Camera sensor: CMOS 6.4 mm (1/4")
- Focus range: No.**29.950**, No.**29.952** 8mm ~ 200mm No.**29.951** 8mm ~ 150mm
- Lens: high definition microscopy lens
- Dimension: 36mm x 142mm (length)
- PC interface: USB 2.0
- Mini USB cable: 1.2m
- Power consumption: max 2.5W
- Light source: No.**29.950**, No.**29.951** 8 adjustable white LEDs, No.**29.952** 4 adjustable white LEDs + 4 adjustable UV LEDs

DESKTOP RACKS

Flexible gooseneck arm that can be bent and twisted in many positions. This desktop rack is suitable for use with all Visio-Tek microscopes.

Dimensions:
(W)17.9 cm x (L)14.9 cm x (H)25.1 cm
(3-1/8" x 5-7/8" x 9-7/8")

No. **29.953**



Rigid vertical desktop rack is designed to be used with all Visio-Tek digital microscopes. It provides about 20cm of vertical working distance from the object.

Dimensions:
(W)12.7 cm x (L)20.6 cm x (H)30.5 cm
(5" x 8-1/8" x 12")

No. **29.954**



CONNOISSEURS® DAZZLE DROPS

Dazzle Drops Advanced Jewelry Cleaner is perfect for gold, platinum, diamonds, precious and semi-precious stones, pearls, and fashion jewelry. Each 1 oz. bottle contains enough solution for approximately 50 cleanings. Easy-to-use dipping scoop is large enough to hold multiple pieces. Specialized cleansing brush cleans all jewelry surfaces. Cleansing container conveniently stores all cleaning elements. Sold by the case of 12.



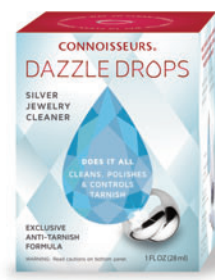
ADVANCED JEWELRY CLEANER

- Makes Fresh Cleaning Solution Every Time
- Easy to Use
- Pleasantly Fragrant
- No More Cleaning in Dirty Solution
- Easy to Store
- Recyclable
- Easy to Open
- Not Messy
- Biodegradable

No. **23.01895**

CONNOISSEURS® DAZZLE DROPS

Dazzle Drops Silver Jewelry Cleaner does it all – cleans, polishes, and controls tarnish. Makes fresh cleaning solution every time. Includes one 1 oz. bottle of exclusive silver jewelry cleaning formula. Non-toxic, pleasant scent, and biodegradable. The soft silver cleansing brush will not scratch silver jewelry. Easy-to-use dipping scoop for rinsing. Cleansing container conveniently stores all cleaning elements. Sold by the case of 12.



SILVER JEWELRY CLEANER

The Only Silver Jewelry Cleaner that Cleans, Polishes, and Protects From Tarnish Build-up.

- Exclusive Tarnish Control Formula
- Rinses Easily
- Easy to Use
- Non-Toxic
- Biodegradable
- Easy to Store
- Pleasant Scent
- Easy to Open
- Not Messy

No. **23.01896**

GROBET USA® QUIET AIR COMPRESSOR

- Ultra Quiet & Oil-Free Air Compressor is designed to be one of the quietest air compressors in the industry, having only 60 decibels of sound
- The powerful 1.0 HP motor operates at only 1680 RPM, creating less noise and less wear
- The Grobet USA Quiet Air Compressor Motors have been designed to increase duty cycle and allow for longer continuous run times
- The Oil-Free Dual Piston Pump System is engineered for high performance and durability
- Ideal for anyone working inside where noise is a major issue

Features:

- Ultra Quiet - Only 60 decibels
- Oil-Free Pump – Cleaner air for better tool operation
Less maintenance and costs.
- Two pressure control gauges
- Two universal 1/4" quick connectors
- Thermal Overload Protector
- 120 PSI Maximum Pressure
- 110v / 60 hz
- Low Amp Draw - 8.5 Amps
- Time to fill tank from empty to full - 130 Seconds
- Recovery time from 90 PSI to 120 PSI - 30 Seconds
- Less heat, which dissipates more efficiently
- 4.6 Gallon Aluminum Air Tank
- Only 45.5 pounds and easy to transport
- L (19.1) x W (16.7") x H (19.7")
- 1-Year Limited Warranty
- Air Filter included
- UL Certified



No. **14.500**

6-PIECE PRECISION NEEDLE FILE SETS IN VINYL POUCH



14cm File Set, Cut 2

No. 31.67601

Set includes six files:

No.31.454	Barrette File
No.31.502	Equalling File
No.31.520	1/2 Round File
No.31.586	Round File
No.31.616	Square File
No.31.634	Three Square



14cm File Set, Cut 4

No. 31.67701

Set includes six files:

No.31.456	Barrette File
No.31.503	Equalling File
No.31.522	1/2 Round File
No.31.588	Round File
No.31.617	Square File
No.31.636	Three Square



Barrette



Equalling



Half Round



16cm File Set, Cut 2

No. 31.68001

Set includes six files:

No.31.461	Barrette File
No.31.508	Equalling File
No.31.527	1/2 Round File
No.31.593	Round File
No.31.622	Square File
No.37.640	three Square



16cm File Set, Cut 4

No. 31.68101

Set includes six files:

No.31.463	Barrette File
No.31.510	Equalling File
No.31.529	1/2 Round File
No.31.595	Round File
No.31.624	Square File
No.31.642	Three Square



Round



Square



Three Square



20cm File Set, Cut 0

No. 31.68301

Set includes six files:

No.31.466	Barrette File
No.31.512	Equalling File
No.31.531	1/2 Round File
No.31.597	Round File
No.31.626	Square File
No.31.645	Three Square

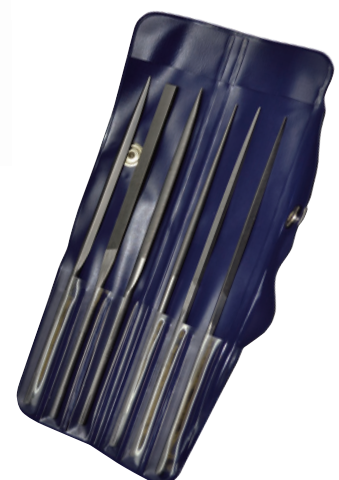


20cm File Set, Cut 2

No. 31.68401

Set includes six files:

No.31.468	Barrette File
No.31.513	Equalling File
No.31.533	1/2 Round File
No.31.598	Round File
No.31.627	Square File
No.31.647	Three Square





ULTRASONIC CLEANING UNITS

Elmasonic EASY, The easy way to clean.

- More power with Pulse function for mineral soiling and polishing pastes
- Visual limit temperature warning to protect sensitive parts
- Easy handling with safety shutdown for more user safety
- Registered as medical device class I
- Tank approx. 1 - 30 qt



Elmasonic EASY, Superior cleaning technology

The Elmasonic EASY series includes 9 units of different sizes and is characterized by simple, user-friendly operation. All with stainless-steel casing. With 100 % ultrasonic power at a frequency of 37 kHz, the Pulse function and visual warning (when bath temperature reaches the set limit), the Elmasonic EASY solves typical cleaning tasks quickly and efficiently.

The activatable function "Pulse" is suited to remove tenacious, mineral soiling and polishing pastes. The ultrasonic power is increased up to 20 %, so that any soiling will be removed easily and quickly.

The limit temperature can be adjusted according to individual requirements. When the set temperature limit is reached the unit gives out a visual warning that helps to prevent the coagulation of proteins and protects sensitive items from damage due to high temperatures.

Comparison of Sweep and Pulse effects

The permanently integrated Sweep function ensures an even sound field distribution and, therefore, an even removal of soiling. Ideal for fats, oils and pigments, as these are rapidly dissolved in the cleaning solution.

The adjustable Pulse function increases the ultrasonic peak power. The ultrasonic impacts infiltrate the soiling which then flakes off. Ideal for hard, encrusted dirt; such as, plaster and polishing pastes. In addition, the cleaning effect is visible up to 20 % faster.

Technical Data	No. 23.670 EASY 10 / H	No. 23.671 EASY 20 / H	No. 23.672 EASY 30 H	No. 23.673 EASY 40 H	No. 23.674 EASY 60 H	No. 23.675 EASY 100 H	No. 23.676 EASY 120 H	No. 23.677 EASY 180 H	No. 23.678 EASY 300 H
Ultrasonic frequency (kHz)	37	37	37	37	37	37	37	37	37
Tank capacity max. (qt)	1 qt	2 qt	3 qt	1 gal	1.5 gal	2.5 gal	3.5 gal	5 gal	7.5 gal
Drain	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Weight (lbs)	4.4	4.6	7.3	8.8	11.2	13	16.5	18.7	24.3
Unit Size	8 1/8 x 4 3/4 x 7 3/8	7 x 7 x 8 5/8	10 3/8 x 7 x 8 3/8	10 3/8 x 7 x 10 1/2	13 7/16 x 7 3/4 x 10 9/16	13 3/8 x 11 x 10 3/4	13 1/2 x 11 1/4 x 12 5/8	14 3/8 x 13 3/8 x 12 5/8	21 7/16 x 13 3/8 x 12 5/8



THE ELMASTEAM 4.5

This powerful Elma steamer uses a combination of pressure, speed, and temperature to provide steam jet cleaning -- safely and effectively. The higher water content and constant steam availability are perfect for pre-cleaning and final cleaning of jewelry and watches.

- Quality, reliability, and safety technology in every detail
- Two-chamber design and aluminum alloy casting extends tank life
- Easy operation
- Compact design
- Available with Fixed Nozzle or Flexible Hand Piece

3-Year Warranty - Valid for proper use in accordance with the user's manual



No. 24.990
No. 24.995

Fixed Nozzle
Flexible Hand Piece

Stats:

Volts	115-120V	Steam Temp. at Nozzle (oF)	275
Frequency	50/60 Hz	Height	16.5"
Max Power Consumption	1650 W	Depth	12.5"
Pressure Tank Volume	4.0 Liters	Width 24.900 4.5 Basic	10"
Max. Filling Volume	3.3 Liters	Width 24.995 4.5 Basic HP	11.5"
Operating Pressure	4.5 Bar	Fixed Nozzle Length	5.5"
PSI	65 PSI	Handpiece Hose Length	4'4"
Steam Temp. in Tank (oF)	300	Shipping Weight	15 lbs.



OPTIC SETTER'S SAFETY GLASSES

These economical setter's safety glasses deliver high quality optics and durability. Both eyepieces are mounted on an attractive eyeglass frame that offers additional safety from small particles, debris, and dust from the setter's activities at the bench.

Optics are available in different working distances and fields of view as required to perform the various close-up tasks of the bench worker.

The safety glasses are supplied in a handy carry case with a polishing cloth to clean the Optics and a convenient cord to hold your glasses around your neck.

Item No.	Magnification	Working Distance	Field View
29.453	2.5X	27.9cm - 38.1 cm, 11" - 15"	9.5 cm, 3.75"
29.452	3.0X	27.9cm - 38.1 cm, 11" - 15"	7.0 cm, 2.75"
29.451	3.5X	27.9cm - 38.1 cm, 11" - 15"	5.6 cm, 2.2"



JEWELERS LOUPE

- 20X Magnification
- 21 mm Lens diameter
- On/off switch
- Batteries included
- LED light

No. **29.608**

LED MAGNIFIERS

INTERCHANGEABLE

- Three interchangeable lenses
- Three magnifications, 2.5X, 5X, and 16X
- Quick and easy lens changing
- Two LED lights
- Detachable light source
- Comfortable rubber handle
- On/Off switch
- Batteries not included

No. **29.916**



HAND-HELD MAGNIFIER

- 40X Magnification
- Dual lens optics
- 21 mm Lens diameter
- Two LED lights
- On/Off switch
- Batteries not included

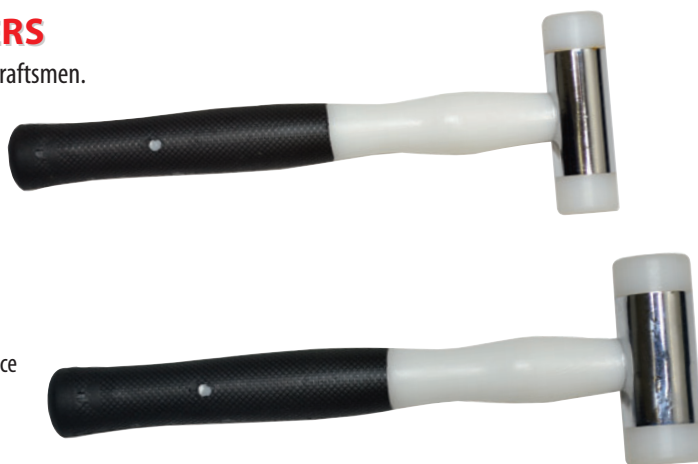
No. **29.917**



NYLON DOUBLE HEAD PLASTIC HAMMERS

These handy and versatile hammers are a great addition for Jewelers and Craftsmen.

- Nylon Faced hammers, with chrome plated heads to help keep faces tight
- Durable, Double-sided Nylon heads are available in 3/4" and 1"
- Hammer offers the best in quality and value
- Rubber grip plastic handle for comfortable use
- Spare faces are available by the pair in high-impact nylon and are easy to replace
- A great hammer for forming and bending, work on metals and wire. The nylon face surface will not mar or leave a mark on projects



Nylon Hammers

Item No.	Description	mm	inch
37.710	Nylon Hammer	22.2	7/8"
37.711	Nylon Hammer	25.4	1"
37.712	Nylon Hammer	31.8	1-1/4"
37.713	Nylon Hammer	38.1	1-1/2"
37.714	Nylon Hammer	44.5	1-3/4"
37.715	Nylon Hammer	50.8	2"

Replaceable Faces for Nylon Hammers

Part #	Description	mm	inch
37.71001	Replaceable Face	22.2	7/8"
37.71101	Replaceable Face	25.4	1"
37.71201	Replaceable Face	31.8	1-1/4"
37.71301	Replaceable Face	38.1	1-1/2"
37.71401	Replaceable Face	44.5	1-3/4"
37.71501	Replaceable Face	50.8	2"



THE WIZARD® PRO LCD PEN PLATER

The most innovative pen plater on the market!

- Ergonomically designed with sleek stainless body
 - 12 volt, self-contained rechargeable pen plater
 - Once charged, you are cordless - no wires or plugs to get in your way
 - Pen also works while being charged
 - Voltage adjustable from 3 to 12 volts in .1 increments for precision plating
 - LCD display shows power level and voltage
 - Rechargeable 250 times
 - Tips can be easily replaced
 - Great for touch ups and portable repair work
- Includes: Charger, wall clip for mounting, and storage case

No. 45.411



THE WIZARD® DISPOSABLE PEN PLATER

The next generation disposable pen plater is here!

- New sleek ergonomic stainless steel body
- Battery operated for up to 1 hour of continuous plating
- 6-volt capacity with no knobs to adjust
- Tips can be easily replaced
- Great for touch ups and portable repair work

No. 45.413

Plating solution sold separately.

THE WIZARD® PEN PLATER TIPS

Tips for Wizard Pen Platers

No.	
45.41303	LCD Pen Plater Tips X3
45.41305	LCD Pen Plater Tips X5



LED INSPECTION LAMP WITH 3-DIOPTER MAGNIFIER LENS

The unique combination of lamp and magnifier that provides distortion-free viewing with a powerful 7-watt MR-16 bulb!

Features:

- 1.75X magnification, 13" focal length, 5" viewing area
- 26" flexible lamp reach; 14" magnifier reach
- 3-Diopter magnifying lens
- 2-7/8" dia. all metal shade with 4" slot
- UVB filter enclosure dissipates heat
- 10-inch dia. base
- 9' power cord with plug
- Remote 12-volt transformer
- 7-Watt, 525 lumen LED provides 40 degrees of bright, cool white light
- 3-year warranty



Made in USA

UL listed



No. **13.126**

LED DOUBLE REACH CLAMP LAMP W/BASE

- Shade: Plastic Construction
- Dimensions: 50.8 cm, L x 15.2 cm, W x 55.9 cm, H (20" x 6" x 22")
- Switch: Touch
- Dimmer: Full Range
- Light Source: LED, SMD
- Lumens: 600, Not Title 20 Compliant
- Watts: 10 watts
- Color Temperature: Adjustable; Soft White, Bright White, Daylight
- CRI: 80+
- Beam Angle: 60 degree
- Other: Clamp Accessory Included



No. **13.127** Black, 110V

No. **13.128** Silver, 110V

MB FORMULA MELTING FLUX

Melts brilliantly, brings down 100% of your gold, and repairs cracked metals.

MB Formula WORKS!!

- Invented by a chemist with the intent of yielding the most gold from filings or bench sweeps
- Melts brilliantly
- Brings down 100% of your gold
- Reduces metal cracking
- Eliminates the time-consuming mess of removing hidden gold from borax residue

Don't let borax steal your gold!

No. **22.825**



TEBORG PLIERS & CUTTERS *Made in Switzerland*

TEBORG DIAGONAL CUTTERS

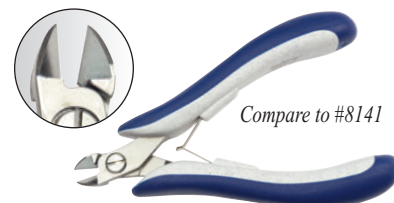
Also known as side cutters, they have semi-flush cutting edges for precision wire cutting of soft wires. Cushion grips provide comfort and retains precise alignment.



- The highest quality pliers and cutters on the market
- Made with Swiss precision craftsmanship
- Limited Lifetime Warranty included



46.9140 - Small Oval Head, Semi Flush, 5"



46.9141 - Small Oval Head, Flush, 5"



46.9142 - Small Oval Head, Full-Flush, 5"



46.9150 - Large Oval Head, Semi-Flush, 5"



46.9152 - Large Oval Head, Full-Flush, 5"



46.9160 - Ex-Large Oval Head, Semi-Flush, 5-1/8"



46.9161 - Ex-Large Oval Head, Flush, 5-1/8"



46.9162 - Ex-Large Oval Head, Full-Flush, 5-1/8"

TEBORG JEWELERS' PLIERS High quality, extremely precise and accurate pliers.
The finest pliers at the best price! Every part of the pliers has been designed for quality and comfort



46.9490 - Flat Nose, Smooth, 5-3/8"



46.9590 - Round Nose, Smooth, 5-1/2"



46.9890 - Long Snipe Nose, Smooth, 5-3/4"



46.9892 - Bent Nose, Smooth, 5-3/4"



46.9893 - Snipe Nose, Smooth, 5-3/8"

Limited Lifetime Warranty

Teborg Pliers & Cutters carry a **limited lifetime warranty** against defects in material and workmanship. Wear and tear from normal use is not covered by warranty. Abuse and abnormal use is also exempt from warranty coverage. Warranty claims are to be made through dealer where the tool was purchased. All warranty claims are subject to approval by Grobet USA and may result in tool repair or replacement with tool of equal value.

TEBORG OBLIQUE END CUTTER

Jaws are set at 11° angle for close-up work.



46.9291 - Oblique Head, Full Flush, 5-1/8"

PRESIDIUM DIAMOND AND MOISSANITE TESTER

Adamas – The World's First Diamond and Moissanite Tester with Interchangeable and Micro Probe Tips

- Easy-to-use interchangeable probe tips
- World's only micro probe tip
- Industry's thinnest probe tip for testing diamonds
- Authenticate diamonds as small as 0.01 carats
- Conveniently replace worn or damaged probe tips yourself
- Built-in memory chip stores up to 500 test records
- Dynamic display with super bright micro LED for clear, distinct results
- Sleek chrome-brushed ergonomic grip
- USB port for alternative power source and connectivity



No. 56.736

Specifications:

Length:	189mm	7.44 inch
Width:	36mm	1.42 inch
Height:	28mm	1.10 inch
Weight:	78.5grams	2.77 oz
(without batteries)		

Adamas – Where leading quality and technology meet

PRESIDIUM COLORED GEMSTONE INDICATOR

The only handheld digital tester created specifically for colored gemstones
Get intelligent results in less than 6 seconds with this simple-to-use, easy-to-maintain Colored Gemstone Indicator

- Tests for 31 types of gemstones based on their thermal conductivity
- Color input function of 12 common colors achieves accurate results
- Easy-to-read clear digital LED screen
- Presidium patented refined changeable probe tip ensures minimal equipment down time



No. 56.737

The Presidium Gem Indicator probe consists of two linked thermometers; one that is heated electronically, while the other is cooled by the gemstone that is being tested. The difference in temperature creates an electrical output, which is then amplified and displayed on the new digital LED display.

Features

- Industry's thinnest probe tip (0.45mm) for testing gemstones from 0.2ct
- Patented refined probe tip
- Metal buzzer alert and low battery indicator
- Sleek chrome-brushed ergonomic grip
- USB port for alternative power source and connectivity

Specifications:

Length:	170mm	6.69 inch
Width:	31mm	1.20 inch
Height:	28mm	1.10 inch
Weight:	55grams	1.94 oz
(without batteries)		

PRESIDIUM GOLD KARAT TESTER



A handy desktop tester estimates the purity of gold alloys from 8K to 24K -- safely and precisely!

The Presidium Gold Karat Tester (PKT) easy-to-use format uses electrochemical effect to estimate the purity of gold in the unit of Karat. The PKT identifies the Karat of both yellow and white gold and platinum. It also indicates if the material is non-metal.

The testing liquid is ejected through a motorized dispenser pen, which also enhances the precision of the Tester. Consistent results are achieved by a simple push button on the dispenser pen, which enables the liquid to be safely dispensed in a uniform and optimum quantity each time.

Each unit includes three refill vials of testing liquid. Each vial provides 200 tests.

No. 56.735

Specifications:

Motorized Dispenser Pen

180 mm L x 40 mm W x 30 mm H

Testing Platform

128 mm L x 85 mm W x 35 mm H

- Measures gold purity in 8K, 10K, 12K, 14K, 18K, 20K, 22K, and 24K
- Tests for Yellow gold, white gold, and platinum
- Quick results
- Battery operated for portability
- Non-destructive to gold jewelry
- Effectively tests gold brooches, earrings, necklaces, rings, etc.
- Clear and easy-to-read LED screen
- Clean and safe motorized dispenser pen





EC MOORE ABRASIVE DISCS

Moore's Brass Center Discs have been the industry standard since 1898. They snap on and off quickly and easily, with no screws to drop or lose. Moore's discs can be used with the grit side in or out and won't fall off with the reversal of the handpiece. Moore's Sand Plastic Discs are available in four sizes: 12.7 cm (1/2"), 15.9 cm (5/8"), 19.1 cm (3/4"), and 22.2 cm (7/8").

Sand Plastic Discs (box of 12)

Item No.	Description	
10.01025/B	22.2 mm, 7/8"	Coarse
10.01019/B	19.1 mm, 3/4"	Coarse
10.01023/B	15.9 mm, 5/8"	Coarse
10.01028/B	12.7 mm, 1/2"	Coarse

Item No.	Description	
10.01026/B	22.2 mm, 7/8"	Medium
10.01020/B	19.1 mm, 3/4"	Medium
10.01024/B	15.9 mm, 5/8"	Medium
10.01016/B	12.7 mm, 1/2"	Medium

Item No.	Description	
10.01027/B	22.2 mm, 7/8"	Fine
10.01029/B	15.9 mm, 5/8"	Fine
10.01021/B	19.1 mm, 3/4"	Fine
10.01017/B	12.7 mm, 1/2"	Fine

Item No.	Description	
10.01014/B	22.2 mm, 7/8"	X- Fine
10.01022/B	19.1 mm, 3/4"	X- Fine
10.01030/B	15.9 mm, 5/8"	X- Fine
10.01018/B	12.7 mm, 1/2"	X- Fine

SLURRY COATED POLISHING CLOTHS AND STRIPS

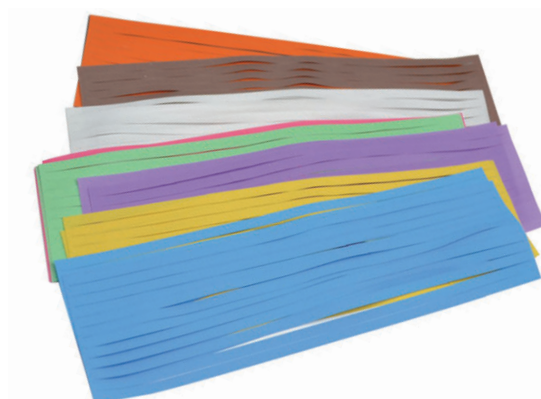
Slurry coated polishing cloths and strips are strong and durable. Unique backing material sets them apart from traditional polishing paper, and results in a consistent uniform finish. The blend of various types of micron particle minerals is applied to each cloth in a slurry coating process. Nine assorted grits in each pack: 360, 400, 600, 800, 1000, 1200, 1500, 2000, 4000

SLURRY COATED POLISHING SHEETS

The micron grading technique produces particles of the same size and shape to achieve a consistent finish every time. Nine assorted grits in each pack: 360, 400, 600, 800, 1000, 1200, 1500, 2000, 4000. Pack of 18



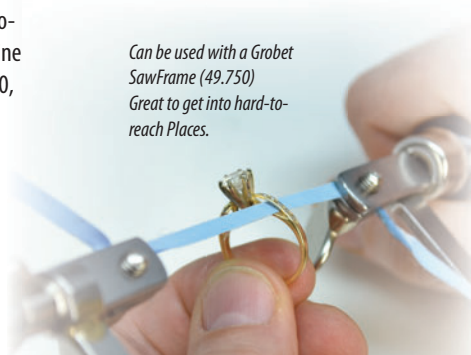
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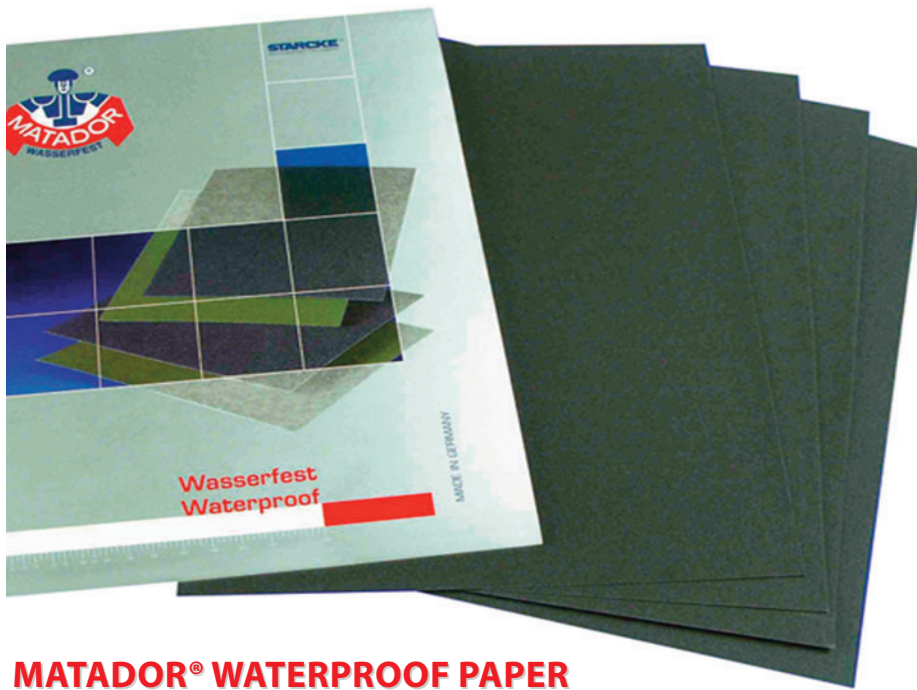
SLURRY COATED POLISHING STRIPS

The Slurry Coated Strips are perfect for hard-to-reach places and provide consistent results. Nine assorted grits in each pack: 360, 400, 600, 800, 1000, 1200, 1500, 2000, 4000. Pack of 18

No. 10.022



Can be used with a Grobet SawFrame (49.750)
Great to get into hard-to-reach Places.



MATADOR® WATERPROOF PAPER

Made in Germany by Starcke GmbH

These waterproof papers produce a finer scratch pattern, making it easier to polish. All Matador Waterproof Paper is backed with "A" weight paper, which is extremely flexible. Starcke has a 175-year worldwide reputation for quality and reliability.

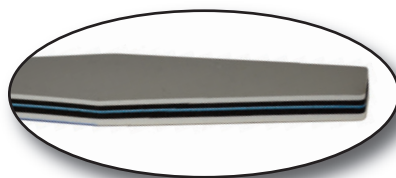
- A premium coated abrasive
- Measures 23 cm x 28 cm, (9"x 11")
- Sold in Packs of 50
- Resin bonded
- Long lasting
- Resists loading
- Provides excellent grain retention
- Use wet or dry on steels, precious metals, wood, stone, paint, etc.
- Non-curling feature when used wet

Item No.	Grit	Item No.	Grit	Item No.	Grit	Item No.	Grit
10.039	180	10.043	320	10.047	1000	10.051	2500
10.040	220	10.044	400	10.048	1200	10.052	3000
10.041	240	10.045	600	10.049	1500	10.053	5000
10.042	280	10.046	800	10.050	2000	10.054	7000

THREE STEP HAND FILES

- Each 3-step polishing stick consists of 800, 1500, and 4000 grits
 - Quality abrasive sanding paper is mounted on both sides of this flexible foam board
 - 3-step polisher makes quick work on hard-to reach areas
 - Ideal for filing, shaping, and smoothing
 - Works well on platinum
- Sold as a pack of 5

No. 11.401



Opposite side solid grey
4000 grit



PREMIUM QUALITY FLAPWHEELS Made in Italy



SILICON OXIDE FLAP WHEELS

More aggressive than aluminum oxide, the silicon oxide wheels are great for light deburring, blending and pre-polishing. Excellent for all metals, including brass and copper.

Fine 160	Very Fine 240	Super Fine 320	Ultra Fine 600	Micro Fine 1000	Color	Dia	Thickness	Hole
No. 17.801	No. 17.802	No. 17.803	No. 17.804	No. 17.805	Gray	10.2 cm, 4"	2.54 cm, 1"	.64 cm, 1/4"
No. 17.811	No. 17.812	No. 17.813	No. 17.814	No. 17.815	Gray	10.2 cm, 4"	3.50 cm, 1-3/8"	.64 cm, 1/4"



SOFT NYLON FLAP WHEELS

Super Fine, soft nylon wheels are perfect for use on all metals. These wheels contain no compound, and are excellent for achieving a bright pre-polish. Compounds may be added as necessary.

Super Fine 320	Color	Dia	Thickness	Hole
No. 17.806	Light Blue	10.2 cm, 4"	2.54 cm, 1"	.64 cm, 1/4"
No. 17.816	Light Blue	10.2 cm, 4"	3.80 cm, 1-1/2"	.64 cm, 1/4"



ALUMINUM OXIDE FLAP WHEELS

Firm density and very fine abrasive grits produce satin and brushed finishes without using compounds. Perfect for soft metals, including gold and silver.

Very Fine 240	Color	Dia	Thickness	Hole
No. 17.807	Green	10.2 cm, 4"	3.0 cm, 1-3/16"	.64 cm, 1/4"
No. 17.817	Green	10.2 cm, 4"	3.2 cm, 1-1/4"	.64 cm, 1/4"



WATCHMAKER'S BENCH

The watchmaker's workbench just got better..... now available in hardwood.

- Solid wood top with railing
- Full-length side and back panels
- Fifteen drawers in a range of sizes to keep tools organized
- 48 cm, (19") wide catch tray for catching bench sweeps
- Measures 100 cm Wide x 54.6 cm Deep x 99cm High (39-1/4" x 21-1/2" x 39")
- Shipping weight: 59 k, (130 lbs).
- Ships in 2 boxes

No. 13.073



PNEUMATIC JEWELER'S BENCH STOOL

Built for comfort and provides smooth mobility at your workbench

- Large 33 cm, (13") diameter seat
- Thick padding for comfort
- Five full-size casters enables easy movement
- Sturdy 48 cm, (19") diameter metal base
- Adjustable height from 50.8 cm - 71 cm (20" - 28")

No. 13.063

UNIQUE BENCH PIN

The Bench Pin that provides various options and maximum support to achieve perfect sawing

- Two oblong sawing slots
- Square and round slots for filing support
- Unique V-slot cutout

No. 13.298





STAINLESS STEEL JEWELRY MARKING PLIERS

- Easy to use • No set up and no hammering required
- Use little pressure to stamp precious metals, including white gold
- Use on curved or flat surface • Stamps inside rings as small as size 4
- Made of durable stainless steel • Adjustable screw locks stamp in place
- Overall length is 15 cm (5-1/2") • Punches not included

No. 46.02405

HAND-HELD CUTTING JIG FOR WIRE AND TUB

This premium hand-held cutting jig makes perfectly straight cuts by holding the tube or rod, up to 1/8" in diameter, in a precise V-channel.

You will make equal cuts with the built-in measuring scale that graduates from 0 to 30 mm, with a maximum opening of 60-65 mm.

The removable handle enables you to secure the jig's head in a vise for hands-free use.

Overall length is 12.7 cm (5").

- Adjustable stop helps you make precise cuts
- Made of precision steel with a contoured wood handle
- Removable handle for mounting the jig in a bench vise
- V-groove and lever holds material, tubing, or wire firmly while cutting

Perfect for making rivets, eyelets, and tube-settings for round gemstones

No. 53.151



ROUND BEZEL SETTING PUNCH SET

A set of 18 punches for closing round bezels around stones and prongs

The tempered punches have concave faces that are ideal for closing round bezels around stones precisely and uniformly.

The set includes punches from .75 mm to 7.75 mm, a wooden storage box, and a hard wood handle.

No. 55.750

DELUXE TORCH STAND

Organize your work bench with this Safe, Sturdy, Convenient Torch Stand

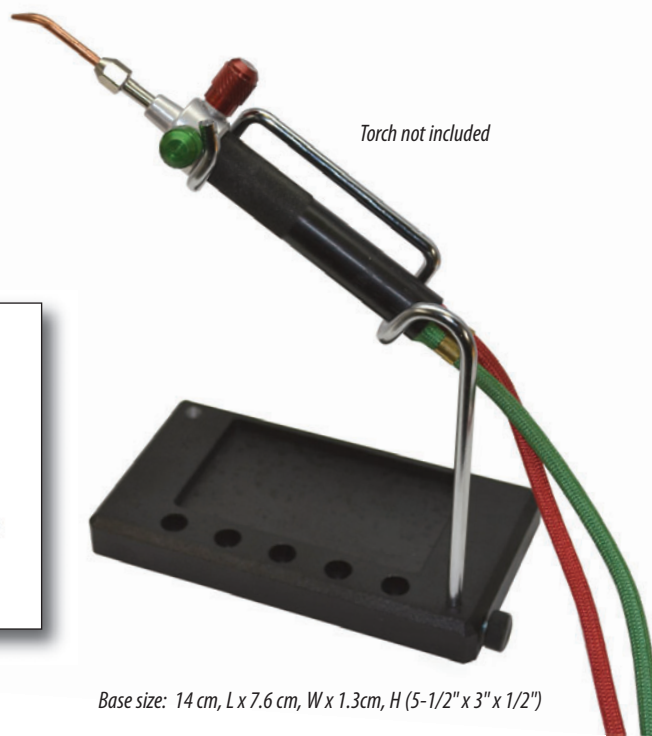
- Useful for any type jewelry torch
- Sturdy aluminum base with four rubber feet prevents stand from movement
- Helps keep torch fire in safe position
- Features five holes to hold torch tips for easy replacement
- Convenient placement of torch, lighter, and tips organizes and frees up work space

*Torch-Mate®
electric starter,
fits on stand.
(not included)*



No. **14.255** Torch stand

No. **14.204** Torch Mate Electric Starter



Base size: 14 cm, L x 7.6 cm, W x 1.3cm, H (5-1/2" x 3" x 1/2")

AGATE BURNISHERS

These natural stone burnishers are known for outshining plastic or steel burnishers. They smooth and shine metals and close bezels, but will not damage stones. Ideal tools for wax, clay, and PMC work and for applying gold and silver foil. Available with straight or knife tip.

These tools measure 22.5 cm x 30.5 cm (8-7/8" x 12") overall . The natural agate stone tips measure 5cm x 1.3 cm (2" x 1/2") .



AGATE BURNISHER KNIFE

For wax, clay, PMC, and for applying gold and silver foil. Head designed for hard-to-reach areas.

No. **18.082**



AGATE BURNISHER STRAIGHT

For wax, clay, PMC, and for applying gold and silver foil.

No. **18.083**

JEWELER'S ADJUSTABLE HAND VISE WITH ROTATING HANDLE

- A premium product at a reasonable price
- The essential jeweler's tool for a firm, non-slip grip on your workpiece
- Simply rotate the hardwood handle to tighten, and reverse rotation to loosen
- Hardened tool steel jaws for superior durability
- Maximum jaw opening 6.4 mm (1/4"), jaw width 15.9 mm (5/8")

No. 58.115



WATCH PIN REMOVER SET With 10 Interchangeable Pins In Wood Storage Box

This link pin remover set includes 10 pins in sizes: 0.40, 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.50 and 2.00mm. Pins are easily interchangeable in the tension fit handle. Set is packaged in a premium wood box with magnetic closure.

No. 59.082



PREMIUM NUT AND SCREW GRABBER

The one driver that does it all

The expandable jaw automatically grips any size or shape of lock nut, hex nut, star nut, cap nut, or round nut.

The Premium Nut and Screw Grabber doubles as a screw starter! Placing a screw in the self-closing jaws makes it easy to thread even the smallest screw into the hardest to reach place. The more pressure you apply, the tighter the grip on the screw.

No. 13.450



ALUMINUM-BODY WIRE BENDING JIG

Provides consistently high-quality bends

- Creates superior shape while wire wrapping
- Includes 4 pins and 2 mounting screws
- Use with soft metal wires
- Easy to use and versatile

No. 13.460



TRIPOUR DISPOSABLE BEAKERS

Polypropylene beakers are cost effective and disposable

- Polypropylene plastic
- For use with acids, alkalis and solvents
- Graduated, easy-to-read markings
- 3 Drip-less pouring spouts
- Withstands temperatures up to 250° F (121° C)
- Disposable

Tripour Disposable Beakers (Pack of 25)

Item No.	Description
45.639	100 ml
45.638	250 ml
45.637	400 ml
45.636	800 ml
45.635	1000 ml

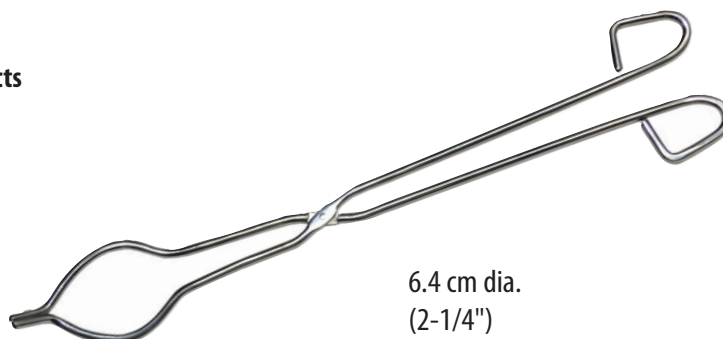


19" CRUCIBLE and FLASK TONGS

Designed for secure handling of graphite and ceramic products

- Sturdy stainless steel construction
- Non-slip tongs
- Enables you to handle crucibles with one hand
- Easily transport flasks to and from the oven
- Safely handle hot metals for melting, pouring, and casting

No. **22.789**



6.4 cm dia.
(2-1/4")



1-STEP EAR WIRE MAKER

Revolutionize the way you create ear wire with one squeeze of the handle. Create any color ear wire with just one squeeze.

No. **46.300**



BENCH BLOCK WITH CUSHION BASE

Cushion Base prevents damage to fine work surface.

Perfect base for:

- Letter & design stamping
- Destressing metal
- Flattening wire
- Riveting

No. 13.199



CHAIN STATION

Create chain necklaces and bracelets in 3 easy steps.

No. 38.110

SWISS OILERS

MicroSpatulas

High precision steel tips pick up oil and re-deposit on contact. Ideal for applying lubricants to small moving parts or used as miniature spatulas for adhesive application. Spatula shaped stainless steel micro-tips are great for working with any small components.

FEATURES:

- ESD Safe Colored Handles
- Dust Caps keep tips clean
- Overall Length: 60 mm
- Non-Rolling plastic handles



BLACK: extra fine tip



BLUE: fine, pointed tip



GREEN: medium tip



RED: large tip



Swiss Made

Item No.	Tip Style	Tip Size		ESD safe Colored Handle
OL 42240	Extra Fine	0.2 mm	0.008"	BLACK
OL 42241	Fine, Pointed	0.3 mm	0.014"	BLUE
OL 42242	Medium	0.5 mm	0.022"	GREEN
OL 42243	Large	0.7 mm	0.025"	RED
OL 42245	4-Style Kit 1 each Black, Blue, Green, Red			



DISPOSABLE FACE MASK WITH ANTIFOG SHIELD

Inner and outer facings offer a soft protection barrier while assuring comfort and breathability

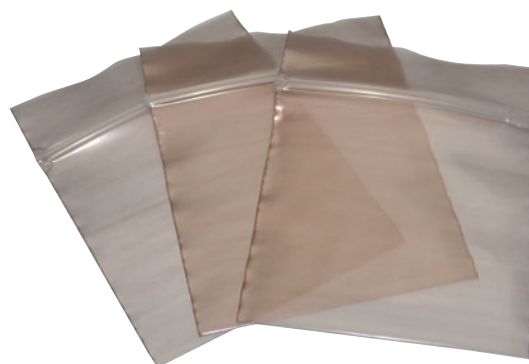
- Wraparound eyeshield protects against particles
- Comfortable elastic earloops
- Full-width nosepiece provides a custom fit
- Filters particulate matter at 99% efficiency
- Sold in packs of 25

No. **29.375**

INTERCEPT® TARNISH PREVENTION BAGS

Proprietary technologies bond copper particles into a polymer matrix that protects jewelry and precious metals from the corrosive gases that create tarnish and corrosion.

- Made of 100% low-density polyethylene
- Safe for all ferrous and non-ferrous metals
- Contains no oils, charcoals, or volatile chemicals
- Non-toxic, environmentally friendly, and fully recyclable
- Cost effective, labor saving, added value packaging for jewelry and metal products
- Sold in packs of 10



Zip Lock copper-colored bags

Item No.	Description	Size, CM	Size, Inch	Item No.	Description	Size, CM	Size, Inch
61.140	Intercept Anti Tarnish Zip lock Bags pk of 10	5.1 x 5.1	2" x 2"	61.143	Intercept Anti Tarnish Zip lock Bags pk of 10	10.2 x 10.2	4" x 4"
61.141	Intercept Anti Tarnish Zip lock Bags pk of 10	5.1 x 7.6	2" x 3"	61.144	Intercept Anti Tarnish Zip lock Bags pk of 10	10.2 x 15.2	4" x 6"
61.142	Intercept Anti Tarnish Zip lock Bags pk of 10	7.6 x 7.6	3" x 3"				



INTERCEPT® ANTI-TARNISH TABS

The ultimate protection for storing and shipping jewelry, ferrous and non-ferrous metals.

- Tabs absorb corrosive gases that create tarnish and corrosion
- Will not leave deposits on jewelry
- Non-toxic and non-abrasive
- Provides protection against tarnish for up to 12 months
- Sold in packs of 100

Item No.	Description	Size Inch	Size CM
61.145	Intercept Non Abrasive Anti Tarnish Tabs pk of 100	1" x 1"	25.4 x 25.4

Item Number Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
10.01025/B	12	10.046	13	17.804	14	29.900HD	1	37.71401	8
10.01019/B	12	10.047	13	17.805	14	29.905	1	37.71501	8
10.01023/B	12	10.048	13	17.811	14	29.916	7	45.411	8
10.01028/B	12	10.049	13	17.812	14	29.917	7	45.413	8
10.01026/B	12	10.050	13	17.813	14	29.950	2	45.41303	8
10.01020/B	12	10.051	13	17.814	14	29.951	2	45.41305	8
10.01024/B	12	10.052	13	17.815	14	29.952	2	45.635-45.639	19
10.01016/B	12	10.053	13	17.806	14	29.953	2	46.02405	16
10.01027/B	12	10.054	13	17.816	14	29.954	2	46.300	19
10.01029/B	12	11.401	13	17.807	14	31.67601	4	46.9140-46.9190	10
10.01021/B	12	13.063	15	17.817	14	31.67701	4	46.9291	10
10.01017/B	12	13.073	15	18.082	17	31.68001	4	46.9490-46.9893	10
10.01014/B	12	13.119	20	18.083	17	31.68101	4	53.151	16
10.01022/B	12	13.126	9	22.789	19	31.68301	4	55.750	16
10.01030/B	12	13.127	9	22.825	9	31.68401	4	56.736, 56.737	11
10.01018/B	12	13.128	9	23.01895	3	37.710	8	56.735	11
10.021	12	13.298	15	23.01896	3	37.711	8	58.115	18
10.022	12	13.450	18	23.670-23.678	5	37.712	8	59.082	18
10.039	13	13.460	18	29.375	21	37.713	8	61.140	21
10.040	13	14.204	17	24.990	6	37.714	8	61.141	21
10.041	13	14.255	17	24.995	6	37.715	8	61.142	21
10.042	13	14.500	3	29.451	7	37.71001	8	61.143	21
10.043	13	17.801	14	29.452	7	37.71101	8	61.144	21
10.044	13	17.802	14	29.453	7	37.71201	8	61.145	21
10.045	13	17.803	14	29.608	7	37.71301	8	OL 42240-42245	20

Index

A		J		Premium Quality FlapWheels, Soft Nylon	14
Agate Burnishers	17	Jeweler's Adjustable Hand Vise w/ Rotating Handle	18	Presidium Gold Karat, Moissanite, Gemstone Testers	11
Aluminum-Body Wire Bending Jig	18	Jewelers Loupe	7	R	
B		L		Round Bezel Setting Punch Set	16
Bench Block with Cushion Base	20	LED Double Reach Clamp Lamp W/Base	9	S	
C		LED Inspection Lamp with Magnifier	9	Slurry Coated Polishing Cloths and Strips	12
Chain Station	20	LED Magnifiers	7	Stainless Steel Jewelry Marking Pliers	16
Compressor	3	M		T	
Connoisseurs® Dazzle Drops	3	Matador® Waterproof Paper	13	Teborg Pliers	10
D		MB Formula Melting Flux	9	19" Crucible and Flask Tongs	19
Disposable Face mask with Antifog Shield	21	1080P Full HD Digital Microscope	1	The Wizard® Disposable Pen Plater	8
Desktop Racks	2	1080P Full High Definition Digital Microscope	1	The Wizard® Pen Plater Tips	8
E		N		The Wizard® Pro LCD Pen Plater	8
Ear Wire Maker-1-Step	19	Needle File Sets	4	Three Step Hand Files	12
EC MOORE Abrasive Discs	12	Nylon Double Head Plastic Hammers	8	Torch Mate Electric Starter	17
ELMA Elmasonic, ultrasonic cleaners	5	O		Torch Stand	17
ELMA Elmasteam, steam cleaner	6	Oilers	20	U	
H		Optic Setter's Safety Glasses	7	Unique Bench Pin	15
Hand-Held Cutting Jig For Wire and Tub	16	P		V	
Hand-Held Magnifier	7	Pneumatic Jeweler's Bench Stool	15	VISIO-TEK™ Wireless Digital Microscopes	2
I		Premium Nut and Screw Grabber	18	W	
Intercept® Anti-tarnish Tabs	21	Premium Quality FlapWheels, Aluminum Oxide	14	Watch Pin Remover Set	18
Intercept® Tarnish Prevention Bags	21	Premium Quality FlapWheels, Silicon Oxide	14	Watchmaker Bench	15



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