

Gesswein® Finishing Stones for Mold & Die Polishing

Features

- **Demanding Standards:** For each stone, careful grading eliminates oversized grains and special blending operations ensure absolute uniformity of finish, whatever your application.
- **Exceptional Quality Control:** Working closely with the best suppliers in the industry as well as making blocks and stones at our facility to ensure the highest standards are consistently met.
- **Quality Ingredients:** These stones are composed of the purest ingredients.
 - Aluminum Oxide: An extremely tough abrasive; each grain holds its sharpness very well.
 - Levigated Alumina: A very fine form of aluminum oxide (stones made of this formulation are softer).
 - Silicon Carbide: Extremely sharp and brittle (these man-made particles are designed to shatter and expose new, sharp edges).

**MADE IN
AMERICA!**

Which Stone should I use?

Use this chart to determine which finishing stone is right for you based upon the type of surface and application.

SURFACE TYPE	DIE MAKER	EDM	EDM BLUE	OIL TREATED	PREMIUM WHITE	RA	GP	MOLD-MAKER	MOLD-MAKER PLUS	SUPER FINE	ULTRA SOFT	ROUGH OUT	CERAMIC STONES
All Tool Steels	◆	•	•	•	•	•	•	•	•			•	•
Heat Treated Tool Steel	•					◆							•
EDM Surface		◆	•	•		•	•						•
Machined Surface	•			◆	•		•						•
Stainless Steel	•			•				◆	•				•
Aluminum								•	•	•	◆	•	•
Non-Ferrous								•	•	•	◆	•	•
High Polishing										◆	•		
Rough Grinding												◆	
Carbide													

◆ Blue diamond indicates the most commonly used for each application.



Gesswein® Finishing Stones for Mold & Die Polishing

The chart below contains helpful information to guide you in selecting the appropriate finishing stone based on your application. Stones are listed from hardest to softest

EDM 	Premium aluminum oxide	Our best stones for fast removal of EDM scale. They have sharp points and edges to cut and dig into material to better remove it. Use EDM for more aggressive polishing.
General Purpose 	White aluminum oxide	This soft stone acts harder due to a proprietary treatment. Experienced polishers will find this formula cuts fast, wears slowly and holds its shape well.
Oil-Treated 	White aluminum oxide	Soaked in oil solution to prevent loading. Fast-cutting with moderate breakdown. Popular general purpose stones often used for EDM scale removal. Can be used without stoning oil.
Diemaker 	Aluminum oxide	Extremely popular. For general purpose stoning on all types of steel. Fast-cutting, wears at an average rate and gives a good surface finish.
Moldmaker Plus 	Premium silicon carbide	Green silicon carbide. Medium stone with slower breakdown characteristics than our standard Moldmaker stones.
Moldmaker 	Silicon carbide	Easy to shape stone for contour polishing, Medium-soft, nonloading and fast-cutting with rapid breakdown.
Rough Out 	Aluminum oxide	Coarse, fast-cutting with rapid breakdown. For deep machining marks. Also good for rust removal.
Super Fine 	Levigated alumina	Our softest and finest stones for steel surfaces. They don't scratch and are nonloading. For final finish before using diamond compound.
Ultra-Soft 	White aluminum oxide	Formulated for polishing aluminum, stainless steel, beryllium, kirkite and other soft metals. Very soft, fast-cutting, and nonloading with very rapid breakdown.

IMPORTANT: Abrasive stones break down during mold and die polishing, grinding, tool sharpening, and dressing of cutting & grinding wheels. The resulting dust is classified by OSHA as insert or nuisance dust. Please consult the Material Safety Data Sheet for each stone; data provided therein pertains primarily to the dust produced during and after use. Please note that hazards may change when abrasive stones are used in conjunction with solvents, cutting fluids or other chemicals. For more complete information, consult the Material Safety Data Sheets of chemical products used with abrasive stone products.



12 Piece Finishing Stone Sets

Features

- Includes 4 grits in each shape: 1/4" x 1/8", 1/2" x 1/8", 1/2" x 1/4"
- All stones 6" long
- Made in USA

12 piece sets of our most popular stones. Choose from Diemaker, EDM, GP, Moldmaker, Moldmaker Plus, and Oil-Treated. Each Finishing Stone Set serves as a perfect introduction to our popular stone lines. 12-piece sets includes 4 grits of the 3 most popular sizes: 1/4" x 1/8" x 6", 1/2" x 1/8" x 6", 1/2" x 1/4" x 6"



Each Set Contains One Each Of The Following Grits

Item No.	Description	120 Grit	180 Grit	220 Grit	320 Grit	400 Grit	600 Grit	800 Grit	1200 Grit
4052030	EDM	•	•		•	•			
4052090	Oil-Treated			•	•	•	•		
4052060	Diemaker			•	•	•	•		
4052095	General Purpose			•	•	•	•		
4052065	Moldmaker			•	•	•	•		
4052020	Moldmaker Plus			•		•		•	•

12 Piece Finishing Stone Sets

Features

- Select either size: 1/4" x 1/8" or 1/2" x 1/4"
- All stones 6" long
- Made in USA

Two 20-piece stone sets offered in two of our most popular stone sizes. Each set includes five different types of stones of the same size in four different grits. All stones measure 6" long.



DESCRIPTION	120 GRIT	150 GRIT	180 GRIT	220 GRIT	320 GRIT	400 GRIT
EDM			•	•	•	•
Oil-Treated	•			•	•	•
Diemaker	•			•	•	•
General Purpose		•		•	•	•
Moldmaker Plus		•		•	•	•

ITEM NUMBER	SHAPES	QTY
4052035	1/4" x 1/8" x 6"	20 pieces
4052075	1/2" x 1/4" x 6"	20 pieces



For a much larger selection of additional finishing & polishing products see the PCS Company website.

20 Piece Soft & Fine Polishing Stone Set Fine Polishing

Features

- Stones: Diemaker, Moldmaker Plus, Super Fine, Ultra-Soft
- Grits: 600, 800, 900, 1200
- Made in USA

Includes 4 different types of stones in various sizes ideal for final finishing and for preparation prior to diamond polishing. Use Diemaker (800 & 900 grit) and Super Fine (1200 grit) for polishing steel surfaces, Moldmaker Plus (800 grit) for radius-polishing stainless steel surfaces and Ultra-Soft (600 grit) for polishing aluminum and other soft metal surfaces. All stones measure 6" long 5/32" x 5/32" Super Fine, which measures 4" long.



Set Contains One Each Of The Following Stones:

Description	Grit	5/32" X 5/32"	1/4" X 1/8"	1/4" X 1/4"	1/2" X 1/8"	1/2" X 1/4"
Diemaker	800		•	•	•	•
Diemaker	900		•	•	•	•
Moldmaker Plus	800		•	•	•	•
Super Fine	1200	•	•	•	•	•
Ultra-Soft	600			•	•	•

ITEM NUMBER	DESCRIPTION
4052085	Soft & Fine Set

Gesswein® Finishing Stone All-Grit Sets

Features

- Sets contain 1 of each grit
- All stones 1/2" x 1/8" x 6"
- Made in USA

So that you may try our most popular Gesswein® stones types, we have created these sets ranging from 8 to 11 pieces covering all the grits available in the most popular 1/2" x 1/8" x 6" size. Choose different sets: Diemaker, EDM, General Purpose, Moldmaker, Moldmaker Plus and Oil-Treated.



Item Number	Grits	Sets
4052063	100, 150, 220, 320, 400, 600, 800, 900, 1200	Diemaker All-Grit Set - 11 pcs.
4052022	100, 150, 220, 320, 400, 600, 800, 1200	Moldmaker Plus All-Grit Set - 9 pcs.
4052097	150, 180, 220, 320, 400, 600, 800, 1200	General Purpose All-Grit Set - 8 pcs.



For a much larger selection of additional finishing & polishing products see the PCS Company website.

Gesswein® Diemaker Stones

Features

- Medium-hard aluminum oxide
- Ideal for both hard and soft mold steels
- Cuts fast with moderate breakdown
- Our most popular stone type
- Made in USA

Gesswein® Diemaker Stones combine the characteristics of fast cutting and moderate breakdown. They can be used in a profiler or ultrasonic polisher. Made up of Medium-hard aluminum oxide. Ideal for both hard and soft mold steels.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/4" x 6"	
4051802	100
4052102	150
4055802	180
4052202	220
4052302	320
4052402	400
4052602	600
4052802	800
4052902	900
4054002	1200

ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4051801	100
4052101	150
4055801	180
4052201	220
4052301	320
4052401	400
4052601	600
4052801	800
4052901	900
4054001	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/2" x 6"	
4051805	100
4052105	150
4055805	180
4052205	220
4052305	320
4052405	400
4052605	600
4052805	800
4052905	900
4054005	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4051803	100
4052103	150
4055803	180
4052203	220
4052303	320
4052403	400
4052603	600
4052803	800
4052903	900
4054003	1200

For a much larger selection of additional finishing & polishing products see the PCS Company



Gesswein® Diemaker Stones - Continued

Features

- Medium-hard aluminum oxide
- Ideal for both hard and soft mold steels
- Cuts fast with moderate breakdown
- Our most popular stone type
- Made in USA

Gesswein® Diemaker Stones combine the characteristics of fast cutting and moderate breakdown. They can be used in a profiler or ultrasonic polisher. Made up of Medium-hard aluminum oxide. Ideal for both hard and soft mold steels.



ITEM NUMBER	GRIT
Dimensions: 1" x 1/4" x 6"	
4051812	100
4052112	150
4055812	180
4052212	220
4056812	280
4052312	320
4052412	400
4052612	600
4052912	900

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4051804	100
4052104	150
4055804	180
4052204	220
4052304	320
4052404	400
4052604	600
4052804	800
4052904	900
4054004	1200

ITEM NUMBER	GRIT
Dimensions: 1" x 1/2" x 6"	
4051807	100
4052107	150
4055807	180
4052207	220
4056807	280
4052307	320
4052407	400
4052607	600
4052907	900

ITEM NUMBER	GRIT
Dimensions: 1" x 1" x 6"	
4051806	100
4052106	150
4055806	180
4052206	220
4056806	280
4052306	320
4052406	400
4052606	600
4052906	900

For a much larger selection of additional finishing & polishing products see the PCS Company



Gesswein® EDM Stones

Features

- Remove the tough, hard scale left by the EDM process
- Extra-sharp premium-grade aluminum oxide
- Hard stone
- Use with Stoning Oil
- Made in USA

Remove the tough, hard scale left by the Electrical Discharge Machining process much faster than any of our other polishing stones. Contain extra-sharp premium-grade aluminum oxide for fast cutting action. Special clay bond so they hold their shape well for working small details and sharp corners. Break down slowly, cut fast and resist loading. Yield excellent results by hand and even better in a profiler or ultrasonic polisher.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4256001	100
4256121	120
4256501	150
4256181	180
4256201	220
4256301	320
4256401	400
4256601	600

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4256004	100
4256124	120
4256504	150
4256184	180
4256204	220
4256304	320
4256404	400
4256604	600

ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/4" x 6"	
4256002	100
4256122	120
4256502	150
4256182	180
4256202	220
4256302	320
4256402	400
4256602	600

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/2" x 6"	
4256005	100
4256125	120
4256505	150
4256185	180
4256205	220
4256305	320
4256405	400
4256605	600

For a much larger selection of additional finishing & polishing products see the PCS Company



Gesswein® EDM Stones - Continued

Features

- Remove the tough, hard scale left by the EDM process
- Extra-sharp premium-grade aluminum oxide
- Hard stone
- Use with Stoning Oil
- Made in USA

Remove the tough, hard scale left by the Electrical Discharge Machining process much faster than any of our other polishing stones. Contain extra-sharp premium-grade aluminum oxide for fast cutting action. Special clay bond so they hold their shape well for working small details and sharp corners. Break down slowly, cut fast and resist loading. Yield excellent results by hand and even better in a profiler or ultrasonic polisher.



ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4256003	100
4256123	120
4256503	150
4256183	180
4256203	220
4256303	320
4256403	400
4256603	600

ITEM NUMBER	GRIT
Dimensions: 1" x 1/2" x 6"	
4256007	100
4256127	120
4256507	150
4256187	180
4256207	220
4256307	320
4256407	400
4256607	600

ITEM NUMBER	GRIT
Dimensions: 1" x 1" x 6"	
4256006	100
4256126	120
4256506	150
4256186	180
4256206	220
4256306	320
4256406	400
4256606	600

For a much larger selection of additional finishing & polishing products see the PCS Company



Gesswein® General Purpose Stones

Features

- Great Choice for P-20 Steel
- Extra-sharp pure white aluminum oxide grains
- Medium-hard stone
- Use with Stoning Oil
- Made in USA

This soft stone acts harder due to a proprietary treatment. Experienced polishers will find this formula cuts fast, wears slowly and holds its shape well. Made of extra-sharp pure white aluminum oxide grains in a specially formulated bond and a proprietary treatment. Cut well, hold their shape and resist loading. Suitable for use on both EDM and machined surfaces of all tool and hardened steels.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4066151	150
4066181	180
4066201	220
4066301	320
4066401	400
4066601	600
4066801	800

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4066153	150
4066183	180
4066203	220
4066303	320
w	400
4066603	600
4066803	800
4066903	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4066154	150
4066184	180
4066204	220
4066304	320
4066404	400
4066604	600
4066804	800
4066904	1200

ITEM NUMBER	GRIT
Dimensions: 1" x 1/4" x 6"	
4066012	150
4066112	180
4066212	220
4066312	320
4066412	400
4066612	600

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Gesswein® Moldmaker PLUS Stones

Features

- Premium-grade green silicon carbide finishing stones
- Medium-hard stone with slower breakdown characteristics
- Produces a silky matte finish on all prehardened tool steels from 28Rc SAE 4130 through 60Rc A2 and M2
- Use with Stoning Oil
- Made in USA

Made with premium silicon carbide abrasive. The stone is a medium-hard stone with slower breakdown characteristics than our standard Moldmaker stones. They are a general purpose, premium-grade green silicon carbide polishing stone. A good choice for stoning contours and radii will produce a silky matte finish on all prehardened tool steels, from 28Rc SAE 4130 through 60Rc A2 and M2. Can also be used to rough out aluminum, beryllium copper and kirksite.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4121101	100
4121151	150
4121201	220
4121301	320
4121401	400
4121601	600
4121801	800
4122001	1200

ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/4" x 6"	
4121102	100
4121152	150
4121202	220
4121302	320
4121402	400
4121602	600
4121802	800
4122002	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4121103	100
4121153	150
4121203	220
4121303	320
4121403	400
4121603	600
4121803	800
4122003	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4121104	100
4121154	150
4121204	220
4121304	320
4121404	400
4121604	600
4121804	800
4122004	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/2" x 6"	
4121105	100
4121155	150
4121205	220
4121305	320
4121405	400
4121605	600
4121805	800
4122005	1200

ITEM NUMBER	GRIT
Dimensions: 1" x 1" x 6"	
4121106	100
4121156	150
4121206	220
4121306	320

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Gesswein® Moldmaker Stones

Features

- Silicon Carbide abrasive designed to break down rapidly and expose fresh edges
- Great for working on all types of tool steels as well as roughing out nonferrous metals
- Ideal for blending, detailing radii as well as following contours
- Use with Stoning Oil
- Made in USA

Gesswein® Moldmaker Finishing Stones are easy to shape for contour polishing. They are a Medium to soft, nonloading and fast-cutting stone with rapid breakdown. The silicon carbide abrasive is designed to break down rapidly and expose fresh edges. Suitable for working on all types of tool steels as well as roughing out nonferrous metals. The Moldmaker stone is ideal for blending, detailing radii and following contours. This stone also resists loading.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4101101	100
4101151	150
4101201	220
4101301	320
4101401	400
4101601	600

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4101104	100
4101154	150
4101204	220
4101304	320
4101404	400
4101604	600

ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/4" x 6"	
4101102	100
4101152	150
4101202	220
4101302	320
4101402	400
4101602	600

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/2" x 6"	
4101105	100
4101155	150
4101205	220
4101305	320
4101405	400
4101605	600

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4101103	100
4101153	150
4101203	220
4101303	320
4101403	400
4101603	600

ITEM NUMBER	GRIT
Dimensions: 1" x 1" x 6"	
4101106	100
4101156	150
4101206	220
4101306	320
4101406	400
4101606	600

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Gesswein® Oil Treated Stones

Features

- Hard white aluminum oxide soaked with oil
- Excellent for machined surfaces
- Holds shape well for finishing mold details
- Made in USA

Gesswein® Oil-Treated Finishing Stones are a hard white aluminum oxide soaked with an oil solution to prevent loading. They are a fast-cutting stone with moderate breakdown. Often this stone is used for EDM scale removal. They can be used with or without stoning oil. Excellent for machined surfaces and holds shape well for finishing mold details. Offers fine cutting ability.



ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/8" x 6"	
4355101	120
4355001	180
4355201	220
4355301	320
4355401	400
4355601	600
4355801	800
4355901	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4355103	120
4355003	180
4355203	220
4355303	320
4355403	400
4355603	600
4355803	800
4355903	1200

ITEM NUMBER	GRIT
Dimensions: 1/4" x 1/4" x 6"	
4355102	120
4355002	180
4355202	220
4355302	320
4355402	400
4355602	600
4355802	800

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4355104	120
4355004	180
4355204	220
4355304	320
4355404	400
4355604	600
4355804	800
4355904	1200

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Gesswein® Rough Out Stones

Features

- Large, coarse, relatively soft polishing stones containing Aluminum Oxide
- Cuts fast with rapid breakdown
- Quickly remove rough scratches and machine marks. Ideal for "Hogging" out large amounts of stock prior to finishing
- Ideal for larger molds or dies
- Made in USA



ITEM NUMBER	GRIT
Dimensions: 1" x 1/4" x 8"	
4308080	80
4308100	100

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4308004	100

ITEM NUMBER	GRIT
Dimensions: 1" x 1/2" x 8"	
4308081	80
4308101	100

ITEM NUMBER	GRIT
Dimensions: 1-1/2" x 3/4" x 8"	
4308082	80
4308102	100

Gesswein® Ultra-Soft Stones

Features

- Aluminum Oxide Abrasive with a special bonding agent designed for very rapid breakdown
- Formulated for soft metals, stainless steel, aluminum, brass, beryllium, kirsite
- Cuts fast without loading
- Can be used with or without stoning oil
- Made in USA



ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/8" x 6"	
4507103	120
4507203	220
4507303	320
4507403	400
4507603	600
4507003	1200

ITEM NUMBER	GRIT
Dimensions: 1/2" x 1/4" x 6"	
4507104	120
4507204	220
4507304	320
4507404	400
4507604	600
4507004	1200



For a much larger selection of additional finishing & polishing products see the PCS Company website.

Stone Holder Double Enders

Features

- Will accommodate pencil stones (5/32" x 5/32") as well as round and square stones up to 1/4" x 1/4"
- Measures 5-7/8" long
- Available in Black



ITEM NUMBER

4030102

Stone Holder Economy Adjustable

Features

- Accommodates stones up to 9/16" thick
- Plastic serrated jaws ensure your stone is secured inside holder
- Made of Steel



ITEM NUMBER

4031015

Stone Holder LT

Features

- Lightweight
- Double-ended durable plastic stone holder
- One end holds 1/8" x 1/4", the other holds 1/8" x 1/2" and 1/4" x 1/4" stones
- Measures 5-1/2" long



ITEM NUMBER

4031020

Stone Holder Screw-Lock

Features

- Screw-type lock secures stone
- Designed for comfortable use
- Holds 1/2" x 1/4" stones
- Measures 5-7/8" long



ITEM NUMBER

4030200



Universal Tool Holder, 3mm Shank

Features

- Accepts stone thickness up to 1/4"

Tool holder for super stones and polishing stones to be used with the Diprofil polishing/filing machines and other reciprocating units. Maximum tool thickness 6 mm (0.236"). Stainless steel hardened shank: 3mm diameter. Overall length: 2-5/8" (76mm) Shank length: approximately 1-3/16" (35 mm)



ITEM NUMBER

4031050

Stoning Oil Green Supreme

Features

This stoning oil was developed for mold and die polishing. It is economical, practically odorless, and it's ecologically safer to use than alternative stoning oils. Use with finishing stones to prevent loading and keep the work surface clean.

Lets stones cut better and more freely so they produce a bright, smooth surface.

Eliminates the need for hazardous kerosene and other lubricating agents, which could be harmful to your health.

Can also use with diamond tools where lubrication is suggested. Viscosity: 39.5/44.



ITEM NUMBER

8000151

8000152

DESCRIPTION

1 Gallon

1 Pint (wide-mouth glass container)

Mold Repair Kit

Features

Mold Repair Kit includes: EDM and Diemaker all grit stone sets, Moldmaker, RA, EDM and Ultrasoft stones, Supreme Green Stoning Oil, End Brushes, Blue and Red Mounted Stones and Points, stone holders for finishing stones, carbide burs, Gesswein G-Flex and GMX abrasives, Abrasive Belt Stick, Lapping Sticks, Felt Bobs, Sticks, Hand Buffs, 3 grades of Gesswein Diamond Compounds (each in a 1-gram syringe), and Simichrome Polish.

ITEM NUMBER

3821000



Ceramic Stones

Features

- Made of long ceramic fibers that will not break or dull, even when used under the most strenuous conditions or dressed to a very fine point
- Put an end to constant stone replacement: 100% of each stone is available for use due to solid ceramic construction
- Non-loading even under the most strenuous conditions
- Incomparable polishing ability on all types of metals in detailed areas, narrow slots and ribs
- Color-coded for easy identification and available in 120 to 1200 grit



DIMENSION (MM)	EMERALD 120 GRIT	GOLD 180 GRIT	LT. BROWN 300 GRIT	ORANGE 400 GRIT	GRAY 600 GRIT	BLUE 800 GRIT	WHITE 1000 GRIT	RED 1200 GRIT
	ITEM NUMBER							
1 X 2 X 100	3550112	3550212	3550412	3550512	3550612	3550712	3550812	3550912
1 X 4 X 100	3550113	3550213	3550413	3550513	3550613	3550713	3550813	3550913
1 X 6 X 100	3550114	3550214	3550414	3550514	3550614	3550714	3550814	3550914
1 X 10 X 100	3550115	3550215	3550415	3550515	3550615	3550715	3550815	3550915

Ceramic Stone Holders

Features

- 5-3/4" overall length



ITEM NUMBER	FOR STONE SIZES
3510292	2mm Flat
3510270	4mm Flat
3510271	6mm Flat
3510272	10mm Flat

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Blue Mounted Stones

Features

- All 1/8" shank
- Hard Porcelain Bond, Holds its shape extremely well
- Semi-Friable Aluminum Oxide Abrasive
- 120 grit
- 48 piece mounted stone set contains 6 each of the following popular shapes:

B44, B52, B123, W144, W152, W162, W176, W200.

These superior quality stones are made of Aluminum Oxide bonded with porcelain type clays which provide the greatest strength and rigidity required for fast stock removal and longer life. The ceramic bond controls the release of the Aluminum Oxide abrasive grains so that as each particle begins to dull, the bond discharges it allowing new abrasive grain to surface with fresh, sharp cutting edges.

Guaranteed to run true. Stones are securely bonded to 1/8" shanks. Our Blue Mounted Stones are hard stones which hold their shape exceptionally well and are recommended for use on hardened steel. All are 120 grit (fine). Aluminum Oxide with Cobalt added to provide lubrication while grinding. Cut well and leave a smooth surface.

Can be dressed with our Tru-Stone. Mounted on 1/8" shanks which are 1-1/2" long and made of nickel-plated steel. 48 piece mounted stone set contains 6 each of the following popular shapes: B44, B52, B123, W144, W152, W162, W176, W200.



ITEM NUMBER	DIA. X LENGTH	PACKAGE SIZE	SHAPE
3002000	3/4" x 1/8"	Pkg. of 12	W200
3040440	7/32" x 3/8"	Pkg. of 12	B44
3040520	3/8" x 3/4"	Pkg. of 12	B52
3041230	3/16" Round	Pkg. of 12	B123
3041440	1/8" x 1/4"	Pkg. of 12	W144
3041520	3/16" x 1/4"	Pkg. of 12	W152
3041620	1/4" x 3/8"	Pkg. of 12	W162
3041760	3/8" x 1/2"	Pkg. of 12	W176
3053010	Various	Pkg. of 48	Various / Set



For a much larger selection of additional finishing & polishing products see the PCS Company

3M WetoDry Silicon Carbide Sandpaper

Features

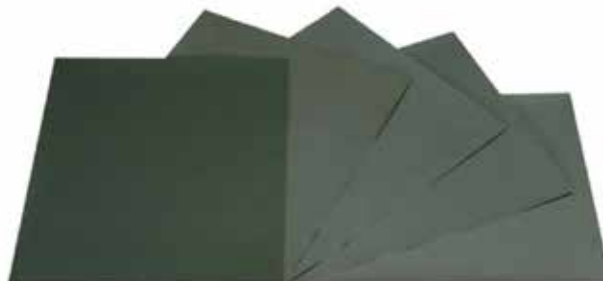
- Silicon Carbide Abrasive designed to break down rapidly and expose fresh edges
- Improved rate of cut for a more uniform finish
- Uses silicon carbide abrasive bonded with waterproof resin

Silicon carbide abrasive provides better cut rates and finishes and last longer than traditional emery sheets. Available in 12 grits, all silicon Carbide. Each sheet measures 9" x 11".

Coarser grits (80, 120, 180) are backed with 431Q heavyweight paper.

Medium and fine grits (220, 280, 320, 400, 600) are backed with 413Q lightweight paper.

Finest grits (1000, 1500, 2000 and 2500) are on 401Q flexible papers.



ITEM NUMBER	GRIT	PAPER TYPE
1098185	80	431Q
1098187	120	
1098189	180	
1098190	220	413Q
1098197	280	
1098193	320	
1098195	400	
1098196	600	
1098200	1000	401Q
1098202	1500	
1098203	2500	
1098204	2000	

For a much larger selection of additional finishing & polishing products see the PCS Company website.



GMX Mounted Points & Cylinders

Features

- All 1/8" shank
- Made from cotton fiber and a unique flexible latex bond with laminates of non-woven aluminum oxide abrasive-impregnated fabric
- Great for polishing mold runners
- Excellent for breaking edges, deburring, and blending on aluminum, stainless steel, and exotic alloys
- Made in USA

GMX cotton fiber products utilize a unique flexible latex bond with laminates of non-woven aluminum oxide abrasive-impregnated fabric. Laminations run parallel to the shank to prevent the ends from chipping. The construction continually exposes new abrasive grain for cooler running. The flexible bond allows for reduced vibration and chattering. GMX is non-loading and runs cool. GREAT for aluminum!

Unlike bonded or coated abrasives, GMX does not load up when working on softer metals or alloys such as aluminum. Cylinders and shapes can be dressed to conform to unique contours. Excellent for breaking edges, deburring, and blending on aluminum, stainless steel, and exotic alloys. GMX is also ideal for polishing mold runners and mold & die components. All are on 1/8" shanks.



ITEM NUMBER	GRIT	HEAD DIAMETER	HEAD LENGTH	SHAPE	
2051542	80	3/16"	1/2"	W154	
2051544	120	3/16"	1/2"	W154	
2051546	180	3/16"	1/2"	W154	
2051548	320	3/16"	1/2"	W154	
2051632	80	1/4"	1/2"	W163	
2051634	120	1/4"	1/2"	W163	
2051636	180	1/4"	1/2"	W163	
2051638	320	1/4"	1/2"	W163	
2051762	80	3/8"	1/2"	W176	
2051764	120	3/8"	1/2"	W176	
2051766	180	3/8"	1/2"	W176	
2051768	320	3/8"	1/2"	W176	
2051772	80	3/8"	3/4"	W177	
2051774	120	3/8"	3/4"	W177	
2051776	180	3/8"	3/4"	W177	
2051778	320	3/8"	3/4"	W177	
2051852	80	1/2"	1/2"	W185	
2051854	120	1/2"	1/2"	W185	
2051856	180	1/2"	1/2"	W185	
2051858	320	1/2"	1/2"	W185	

For a much larger selection of additional finishing & polishing products see the PCS Company website.



SUPRA® “ME” Bristle End Brushes

Features

- All 1/8" shank
- Hard and Soft bristle types are made of animal hair
- Priced by the dozen
- Maximum operating speed: 15,000rpm
- Made in USA



ITEM NUMBER	BRISTLE TYPE	FERRULE DIAMETER	FERRULE TYPE	STYLE	TRIM LENGTH
1108490	Soft	3/16"	Metal	849	1/4"
1108520	Soft	1/4"	Metal	852	3/8"
1108590	Hard	3/16"	Metal	859	1/4"
1108620	Hard	1/4"	Metal	862	3/8"
1109620	Hard	5/16"	Metal	962	9/16"
1118490	Soft	3/16"	Plastic	849P	1/4"
1118520	Soft	1/4"	Plastic	852P	3/8"
1118590	Hard	3/16"	Plastic	859P	1/4"
1118620	Hard	1/4"	Plastic	862P	3/8"

SUPRA® “ME” Wire End Brushes

Features

- All 1/8" shank
- Straight wire is 0.003" diameter wire, Crimped wire is 0.005" diameter wire
- Priced by the dozen
- Maximum operating speed: 15,000rpm
- Made in USA



ITEM NUMBER	FERRULE DIAMETER	STYLE	TRIM LENGTH	WIRE MATERIAL	WIRE TYPE
1108690	3/16"	869	1/4"	Brass	Straight
1108720	1/4"	872	7/16"	Brass	Crimped
1108790	3/16"	879	1/4"	Steel	Straight
1108820	1/4"	882	7/16"	Steel	Crimped
1109720	5/16"	972	9/16"	Brass	Crimped
1109820	5/16"	982	9/16"	Steel	Crimped



For a much larger selection of additional finishing & polishing products see the PCS Company

SUPRA® “MM” Bristle Cup Brushes

Features

- All 1/8" shank
- Hard and soft bristle types are made of animal hair
- Great for flat, curved, small and hard-to-reach surfaces
- Sold in packages of 12
- Maximum operating speed: 15,000rpm
- Made in USA



ITEM NUMBER	BRISTLE TYPE	DIAMETER	STYLE	TRIM LENGTH
1127520	Soft	9/16"	752	1/4"
1127540	Soft	1"	754	7/16"
1127620	Hard	9/16"	762	1/4"
1127640	Hard	1"	764	7/16"

SUPRA “MM” Bristle Wheel Brushes

Features

- All 1/8" shank
- Hard and soft bristle types are made of animal hair
- Great for flat, curved, small and hard-to-reach surfaces
- Sold in packages of 12
- Maximum operating speed: 15,000rpm
- Made in USA



ITEM NUMBER	BRISTLE TYPE	OVERALL DIAMETER	STYLE	TRIM LENGTH
1125100	Hard	1"	MKM	1/4"
1127020	Soft, 2-rows upright	3/4"	702D	3/16"
1127030	Soft	3/4"	703	3/16"
1127120	Hard, 2-rows upright	3/4"	712D	3/16"
1127130	Hard	3/4"	713	3/16"

For a much larger selection of additional finishing & polishing products see the PCS Company website.



SUPRA® “MM” Wire Cup Brushes

Features

- All 1/8" shank
- Wires are made of brass, steel, or stainless steel
- Maximum operating speed: 15,000rpm
- Sold in packages of 12
- Made in USA



ITEM NUMBER	BRISTLE TYPE	OVERALL DIAMETER	STYLE	TRIM LENGTH
1127720	Brass 0.003"	9/16"	772	3/16"
1127820	Steel 0.003"	5/8"	782-S	1/4"
1127825	Stainless Steel 0.005"	5/8"	782-SS	1/4"

SUPRA® “MM” Wire Wheel Brushes

Features

- All 1/8" shank
- Wires are made of brass, steel, or stainless steel
- Maximum operating speed: 15,000rpm
- Sold in packages of 12
- Made in USA



ITEM NUMBER	BRISTLE TYPE	STYLE
1127220	Brass, 2-rows upright	722D
1127230	Brass	723
1127315	Stainless Steel	731 - Stainless
1127320	Steel, 2-rows upright	732D
1127330	Steel	733

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Mounted Felt Bobs, Cylinders

Features

- All 1/8" shank, except where noted
- Ideal for use with diamond compounds
- Mounted Felt Bobs and Cylinders which are 100% made from the finest wool for long life
- Made in USA
- Sold in packages of 12
- Made in the U.S.A.



ITEM NUMBER	LENGTH X DIAMETER	GRADE
2891100	1/4 x 1/4"	Soft
2891101	3/8 x 1/4"	Soft
2891102	3/8 x 3/8"	Soft
2891103	1/2" x 3/8"	Soft
2891104	1/2 x 1/2"	Soft
2891105	3/4 x 1/2"	Soft
2891106	1 x 1/2"	Soft
2891107	5/8 x 5/8"	Soft
2891108	5/8 x 1"	Soft
2891110	3/4 x 3/4"	Soft
2891111	3/4 x 1"	Soft
2891113	3/4 x 1-1/2"	Soft
2891114	1 x 1"	Soft
2901100	1/4 x 1/4"	Medium
2901101	3/8 x 1/4"	Medium
2901102	3/8 x 3/8"	Medium
2901103	1/2 x 3/8"	Medium
2901104	1/2 x 1/2"	Medium
2901105	3/4 x 1/2"	Medium
2901106	1 x 1/2"	Medium
2901107	5/8 x 5/8"	Medium
2901108	5/8 x 1"	Medium
2901110	3/4 x 3/4"	Medium
2901111	3/4 x 1"	Medium
2901113	3/4 x 1-1/2"	Medium
2901114	1 x 1"	Medium

ITEM NUMBER	LENGTH X DIAMETER	GRADE
2861100	1/4 x 1/4"	Hard
2861101	3/8 x 1/4"	Hard
2861102	3/8 x 3/8"	Hard
2861103	1/2 x 3/8"	Hard
2861104	1/2 x 1/2"	Hard
2861105	3/4 x 1/2"	Hard
2861106	1 x 1/2"	Hard
2861107	5/8 x 5/8"	Hard
2861108	5/8 x 1"	Hard
2861110	3/4 x 3/4"	Hard
2861111	3/4 x 1"	Hard
2861113	3/4 x 1-1/2"	Hard
2861114	1 x 1"	Hard
2911100	1/4 x 1/4"	Rock Hard
2911102	3/8 x 3/8"	Rock Hard
2911103	1/2" x 3/8"	Rock Hard
2911104	1/2" x 1/2"	Rock Hard
2911105	3/4 x 1/2"	Rock Hard
2911106	1 x 1/2"	Rock Hard
2911110	3/4 x 3/4"	Rock Hard
2911115	1 x 1"	Rock Hard

Note: Shank for 2911115 is 1/4"

For a much larger selection of additional finishing & polishing products see the PCS Company website.



Diamond Compound, Standard Oil Soluble

Features

- Oil soluble carrier holds the compound together very well.
- All Diamond Compounds use 100% virgin synthetic diamonds which are more consistent in shape than natural diamond
- Carrier helps execute faster cutting
- Formulated in medium concentrations
- Can be used with lubricant thinner item number 8251300

ITEM NUMBER	GRIT	COLOR	SYRINGE SIZE
2160045	0.5 Micron	White	1 gram
2162045	0.5 Micron	White	6 grams
2167005	0.5 Micron	White	18 grams
2160050	1 Micron	Ivory	1 gram
2162050	1 Micron	Ivory	6 grams
2167055	1 Micron	Ivory	18 grams
2160100	3 Micron	Yellow	1 gram
2162100	3 Micron	Yellow	6 grams
2167105	3 Micron	Yellow	18 grams
2160150	6 Micron	Orange	1 gram
2162150	6 Micron	Orange	6 grams
2167155	6 Micron	Orange	18 grams
2160200	9 Micron	Green	1 gram
2162200	9 Micron	Green	6 grams
2167205	9 Micron	Green	18 grams
2160250	15 Micron	Blue	1 gram
2162250	15 Micron	Blue	6 grams
2167255	15 Micron	Blue	18 grams
2160300	30 Micron	Red	1 gram
2162300	30 Micron	Red	6 grams
2167305	30 Micron	Red	18 grams
2160350	45 Micron	Brown	1 gram
2162350	45 Micron	Brown	6 grams
2167355	45 Micron	Brown	18 grams
2160400	60 Micron	Purple	1 gram
2162400	60 Micron	Purple	6 grams
2167405	60 Micron	Purple	18 grams
2160450	90 Micron	Gray	1 gram
2162450	90 Micron	Gray	6 grams
2167455	90 Micron	Gray	18 grams
2160500	120 Micron	Black	1 gram
2162500	120 Micron	Black	6 grams
2167505	120 Micron	Black	18 grams



For a much larger selection of additional finishing & polishing products see the PCS Company website.



Oil Soluble Lubricant / Thinner

Features

- For oil-soluble diamond compounds.
- Available in 8 oz. bottle

Lubricants keep the diamond abrasive in suspension, allowing the compound to cut at peak performance. When added to Diamond Compound, lubricant thins out the mixture, creating a slurry and extending the compound.



ITEM NUMBER	SIZE	TYPE
8251300	8 oz.	Oil-Soluble

Simichrome Polish®

Features

- One of the finest all-metal polishes in the world
- Works well on brass, bronze, chromium, aluminum and countless other uncoated metals that are similar
- Use anywhere an ultra fine final polish is required

One of the finest all-metal paste polishes in the world. Simichrome produces a beautiful high finish with very little effort. Simply rub on with a soft cloth and rub off to obtain a brilliant luster. A small amount of Simichrome applied to a clean felt bob will remove the smokey haze often seen after final finish to bring out the brilliance of the metal. Recommended for use after diamond compound. Removes tarnish, dirt and oils, and generally renews polished metal surfaces. It leaves a protective film which retards oxidation.

For Industrial use it is ideal in Metalworking, plastics and other industries that have known for years that Simichrome is the perfect product to polish tool and die molds, extrusion dies, precision metal products, machinery and anywhere an ultra fine final polishing is required. Metalworking industries have been using Simichrome for product finishing applications for decades.

In addition to being a superior polishing product, Simichrome is also an excellent purging compound to remove residue on mold and die cavities after prolonged molding of plastic parts. Simichrome is designed to polish without scratching any ferrous or non-ferrous metal. It yields an unequaled smooth finish and may be used with confidence when polishing even the most delicate, precision equipment and parts. Made in Germany.



ITEM NUMBER	SIZE
2182050	50 Gram Tube
2182100	Case of 24 Tubes (50 grams each)
2182150	250 Gram Tin
2182200	1000 Gram Can



Turbo Air Lappers UTR

Features

- Supplied with air hose, coupler, foam sleeve and three tool holders for 1mm to 1/8" flat tools and 3mm round tools
- 90 PSI
- Requires Filter/Regulator-Lubricator

Low-vibration, quiet-running, durable reciprocating hand-pieces with a short stroke. Excellent for general-purpose finishing and polishing of mold and die surfaces. Perfect for polishing ribs, slots and other tight areas. Produces great results with Diamond Files and Super Ceramic Stones.

Includes: air hose, coupler, foam sleeve and three tool holders: #64 which accepts 1mm flat and 3mm round tools; #65 which accepts 1mm flat tools; and #62 which accepts 1/8" flat tools.

Tools are also sold separately. Requires Filter/Regulator/Lubricator.



ITEM NUMBER	CFM	COLOR	MODEL	STROKE LENGTH	STROKES PER MINUTE
8502245	1.76	Blue	UTR-70	0.7mm	28000
8502250	1.76	Red	UTR-30	0.3mm	30000
8502251	2.83	Silver	UR-120	1.2mm	12000

UHT Ushio Air Grinders

Features

- Fixed 1/8" collet
- Rear speed control and rear exhaust
- Supplied with 5' of 3/16" air hose, 1/4" NPT coupler, 13" exhaust hose, wrench and pin
- Use with Filter/Regulator-Lubricator

Quiet running handpieces ideal for many applications, including precision grinding, finishing and polishing. Feature self-lubricating vanes for dependable performance. Unique 1/8" fixed collet design provides extra-long ball bearing life and reduces heat buildup. The Contra-Angle 120° model allows access to hard-to-reach, deep areas. Both styles offer rear speed control and rear exhaust.

Supplied with 5' of 3/16" air hose, 1/4" NPT coupler, 13" exhaust hose, wrench and pin. Use with Filter/Regulator-Lubricator.



ITEM NUMBER	DIMENSIONS	MAX. RPM	MODEL	WEIGHT
8500900	5-5/8"L x 5/8" Dia.	65000	Straight	4.5 ounces
8500905	5"L x 5/8" Dia.	53000	Contra-Angle	5 ounces



UHT Ushio Micro-Angle Surface Air Grinders



Features

- Air consumption: 4.2 CFM at recommended air pressure of 85 PSI
- Recommended for use with Filter/Regulator
- Supplied with Exhaust overhose
- Made in Japan

Quiet-running handpieces are ideal for precision grinding, finishing and polishing. Feature self-lubricating vanes for dependable performance. Rear speed control and rear exhaust. Supplied with 5' of 3/16" air hose and 1/4" NPT coupler. Airline filter/regulator/lubricator required.

Both 90 degree and 120 degree handpieces offer 7mm threaded shaft for delivering maximum torque to 30mm diameter grinding, sanding, and buffing tools.



ITEM NUMBER	MAX. RPM	MODEL
8500890	24000	90 Deg. Angle
8500895	23500	120 Deg. Angle

UHT Ushio TurboLap Air Filers

Features

- Three color-coded models, each supplied with hexagonal wrench, 1 Dia Diamond Poli File, 1.5m air hose, overhose, hose bands and quick joint with filter
- Accepts up to 1mm flat or 3mm round tools
- 90 PSI, 1.65CFM
- No oil lubrication required
- Made in Japan

TurboLap delivers high-speed reciprocation with high torque and a short stroke. Ideal for filing, lapping and polishing molds or honing precision parts. Makes quick work of polishing ribs, slots and intricate areas. Runs quietly and is designed to be operated for long periods without getting hot. Provides optimum results with Diamond Poli Files and 1mm flat Super Ceramic Stones. Lightweight with good balance and ergonomic soft-grip design. Three color-coded models, each supplied with hexagonal wrench, 1 Dia Diamond Poli File, 1.5m air hose, overhose, hose bands and quick joint with filter. Requires 1/4" NPT air connection and Filter/Regulator.

Measures 7" long x 1" diameter. Weighs 5.9 ounces.



ITEM NUMBER	COLOR	MODEL	CFM	STROKE LENGTH	STROKES PER MINUTE
8500928	Blue	TLL-03	4.4	0.3mm	52000
8500930	Red	TLL-07	1.65	0.7mm	28000
8500932	Yellow	TLL-12	1.65	1.2mm	19000



Marathon Handy 700

Features

- 50,000 RPM Brushless Rotary Handpiece
- 1/8" collet with quick change mechanism
- High-torque, 230W
- Dial or foot rheostat speed control
- Error-checking/troubleshooting system with digital display

The Handy 700 system features an advanced controller and a 50,000rpm, 230W brushless rotary handpiece for incredible power - even at low speeds! Provides ample torque at all times to ensure fast and smooth metal removal. Ideal for a variety of applications, including grinding, finishing and polishing.

Use with POWER HAND® 3 handpieces for profile polishing or belt sanding.

System includes Handy 700 controller and BH-60 Handpiece with 1/8" collet, variable-speed foot rheostat, handpiece cradle rest, detachable handpiece holder and replacement fuse.

Incredible power - even at low speeds. Full compatibility with POWER HAND® 3 brush-type handpieces. Dial or foot rheostat speed control. Easy-to-read digital speed display for precise speed and torque settings. F



ITEM NUMBER	COLLET SIZE	ELECTRICAL	MAX TORQUE	MAX. POWER	MODEL	HANDPIECE DIMENSIONS	CONTROLLER DIMENSIONS
5102925	1/8"	100-120V, 40W, 50/60Hz	7.8 N-cm	230W	Marathon + 1/8" Collet, 110V	6-5/16" x 1-1/16" to 3/4" dia.	5-3/8"W x 9-16"D x 7-1/16"H

Marathon Micromotor System

Features

- 50,000 RPM Brushless Rotary Handpiece
- 1/8" collet with quick change mechanism
- High-torque, 230W
- Dial or foot rheostat speed control
- Error-checking/troubleshooting system with digital display

Includes compact 110/220V controller with dial speed control and forward/reverse direction switch, 35,000rpm lightweight rotary handpiece with quick-change collet and flexible curl cord, variable-speed foot rheostat, handpiece cradle rest and safety glasses. Controller also accommodates our full line of Power Hand 3 Handpieces.



ITEM NUMBER	ELECTRICAL	MODEL	OUTPUT VOLTAGE	HANDPIECE DIMENSIONS	CONTROLLER DIMENSIONS
5102946	110/220V, 50/60Hz	Marathon with 1/8" Collet	0-30V DC (continuously variable)	6"L x 1" x 5/8" dia.	4-1/2"W x 5-3/4"D x 3-3/4"H



POWER HAND® 3 Multi-Functional Micromotor Controller

Features

- For use with all POWER HAND® handpieces
- 120V, 60Hz
- 3 - 30V DC Output Voltage
- Dimensions: 7-3/4"W x 7"D x 4-1/2"H

Designed with the latest technology in micromotor systems, the POWER HAND® 3 can handle almost any finishing job. This interchangeable micro-motor system allows the operator to choose from a selection of handpiece motors and heads to create the right tool for a variety of polishing applications. With the quick disconnect feature, the operator can switch heads within seconds - no tools required.

POWER HAND® 3 is the 3rd generation of its line and comes with several new features such as: convenient on/off switch on each motor input, higher torque output for heavier grinding, quick change collet mechanism and slim lightweight handpiece cable.

The POWER HAND® 3 control box features a load indicator light to warn operator of excessive pressure, and digital RPM display to indicate exact rotational speed of handpiece. Works with all Power Hand 2 and Power Hand 3 handpieces (sold separately).



POWER HAND® 3 is designed for one-person use. Has 2 output stations with switch to instantly change power from one handpiece to the other. Speed can be adjusted by the dial rheostat on the face of the unit or by an optional variable speed foot rheostat. Built-in handpiece holders, one on each side of controller. Vibration-free, true-running operation.

ITEM NUMBER	DIMENSIONS	ELECTRICAL	MODEL	NET WEIGHT	OUTPUT VOLTAGE
5103300	7-3/4"W x 7"D x 4-1/2"H (200 x 180 x 110mm)	120V, 60Hz	POWER HAND® 3, 110V	5-1/4 lbs (2.3Kg)	3 - 30V DC

POWER HAND® BZX Belt Sander

Features

- Use with POWER HAND® 3 controller

Ideal for a wide variety of precision finishing applications. Use the POWER HAND® BZX Belt Sander to: Remove EDM and machine tool marks, Finish narrow slots, Finish flat and curved surfaces, and Precise deburring. A well-designed pistol grip provides comfort and reduces operator fatigue. Operates with minimal vibration. Flexible cord for easy reach.

Supplied with 2 quick-change arms: one straight and one 45 degree angle for 6mm and 8mm wide sanding belts. Arms are spring-loaded for rapid belt changes. An optional straight arm for narrow 4mm belts is also available. Net weight 16 oz. Measures 6" long x 4-1/2" tall.



ITEM NUMBER	MODEL
5102131	BZX Belt Sander

POWER HAND® 3 Rotary Handpieces

Features

- All rotary handpieces supplied with 1/8" and 3/32" collets
- Quick release mechanism for fast tool changes
- On/off switch located on the motor
- Extremely high precision and cocentric tool movement
- Made in Japan

Choose from six sturdy, true-running, well-balanced handpieces with powerful 30V DC air-cooled motors. Improved motor design increases torque by 20% and increases airflow to keep handpieces cool. They operate with minimal vibration and have flexible power cords for easy reach. All handpieces have a quick-tool-change feature and new on/off switch located on the motor. All six handpieces are two-piece construction and can accept various POWER HAND® head attachments. Supplied with 3/32" and 1/8" collets, collet wrenches and replacement motor brushes.



ITEM NUMBER	MAX TORQUE	MODEL	NET WEIGHT	OVERALL LENGTH
5103310	9.8 N.cm	8,000 RPM	9.74 oz.	6.92"
5103320	8.8 N.cm	15,000 RPM	9.74 oz.	6.92"
5103330	6.4 N.cm	20,000 RPM	7.76 oz.	6.38"
5103340	6.8 N.cm	30,000 RPM	9.74 oz.	6.92"
5103350	5.4 N.cm	35,000 RPM	7.76 oz.	6.38"
5103370	3.6 N.cm	55,000 RPM	6.70 oz.	6.00"

PH3 SZX Side-to-Side Profiler

Features

- Holds 1.5 to 5mm (3/16") diameter tools
- Measures 6-1/2" overall length

Provides unique side-to-side reciprocating action with adjustable stroke (up to 133 strokes per second). Length of stroke ranges from 0 - 1.6mm (increases with tool length). Perfect for polishing base areas in deep cavities, corners and deep slots. Helps eliminate rounding of sharp corners. Prevents bottoming out in blind holes. Special V-shaped chucking system firmly secures 1.5 to 5mm (3/16") diameter tools. Prolonged use of vibrating or reciprocating tools may result in vibration-induced circulation problems in the hands. Always follow safe operating procedures. Using hand protection (i.e., insulated gloves) and taking frequent breaks can help minimize but not guarantee against injury. Operating these types of tools in cold weather or with a tight grip will reduce the period of operation before risking potential injury. Individuals with a tendency to suffer from poor circulation, frequently cold fingers or itchy hands should closely monitor the condition of their hands. If symptoms appear, seek medical advice immediately.



ITEM NUMBER	MODEL	NET WEIGHT	STROKE LENGTH
5103309	Side to Side Profiler	13 oz.	0 - 1.6mm



POWER HAND® Reciprocating Profilers

Features

- Holds 1.5 to 6.35mm (1/4") diameter tools
- Secured tools can float freely and be fixed at any position through 360°
- Net weight: 24oz.
- Use with POWER HAND® 3 controller

These light (24 oz.) reciprocating handpieces come complete with powerful 30V DC air-cooled motors and sealed bearings. Use for polishing flat surfaces, deburring, filing, stoning, scraping, lapping and draw-stoning deep cavities. They operate with minimal vibrations to reduce fatigue and have flexible power cords for easy reach. Special V-shaped chucking system firmly secures a wide variety of abrasives and other tools such as steel files. Reciprocating stroke lengths are adjustable.

Use with POWER HAND® 3 controller or PH2X controller, as well as ULTRAMAX DF and ULTRAMAX MF. Both Z-2X and Z-6X provide standard back-and-forth reciprocating action. They hold 1.5 to 6.35mm (1/4") diameter tools. Secured tools can float freely and be fixed at any position through 360 degrees. Comfortable grips allow prolonged use. Z-2X has a 0-2.0mm length of stroke with a variable strokes per second rate up to 117. Z-6X has a 0-6.0mm length of stroke with a variable strokes per second rate up to 70. Made in Japan.



ITEM NUMBER	MAX STROKES PER MINUTE	MODEL	STROKE LENGTH
5102150	7020	Z-2X Recipro	0-2mm, adjustable
5102160	4200	Z-6X Recipro	0-6mm, adjustable

3-in-1 Consumable Set

Features

- Convenient carrying case
- 98 polishing consumables

This set contains 98 polishing consumables specifically selected for the Ultramax MF Polisher 3 in 1 Complete Package. Provides the full range of abrasive consumables from aggressive polishing and grinding, up to diamond and mirror polishing. Keep your tools in the convenient carrying case or store in the MF metal cabinet.



ITEM NUMBER	SOLD INDIVIDUALLY	CARRYING CASE SUPPLIED
5000234	Yes	Yes



ULTRAMAX® MF TOUCH - 110/220V

The Ultramax® MF TOUCH is an upgraded version of the popular Ultramax MF multifunction unit that incorporates touch screen control of operation and read out. Ultramax™ MF TOUCH (Multi-Function) polishes slots, ribs, and intricate details with ease. Short stroke and fast reciprocation provide total control over the most demanding polishing tasks. Special control functions make any finish possible, letting you polish right up to a wall or finish to an edge.

Ultramax® MF TOUCH is unaffected by metal hardness. Even the toughest metals, including tungsten carbide and titanium, are no match. Everything from milled surfaces to rough EDM surfaces can be polished to a mirror finish. Use with ceramic stones, sintered, resin, and plated diamond tools, and metallic & nonmetallic lapping tools with diamond compounds.

The Multi-Function Ultramax® MF TOUCH gives you the versatility of ultrasonic and mechanical polishing in one package. The MF TOUCH utilizes a high-efficiency microprocessor to deliver power to ultrasonic, brushless DC, and brush-type DC handpieces. Includes an ultrasonic handpiece with 36W of continuously variable power for precision reciprocating action.

The Profiler output provides exceptional power to any of the Gesswein POWER HAND® rotary, reciprocating, side-to-side, or belt sander handpieces. The rotary output provides high speed and high torque power to the optional Gesswein BH-60 brushless type rotary handpiece.



Includes:

- MF TOUCH Control Box
- MF TOUCH Ultrasonic handpiece
- Handpiece rest
- Tool changing wrenches
- 1mm & 3mm flat clamp tool holders
- 3mm round tool holder
- Variable speed foot rheostat

Reduces finishing time dramatically!

- Polishes slots, ribs, and intricate details with ease
- Short stroke and fast reciprocation provide total control
- Special control functions allows polishing right up to a wall or finish to an edge
- Unaffected by metal hardness—tungsten carbide and titanium, are no match
- Milled surfaces to rough EDM surfaces can be polished to a mirror finish
- The Multi-Function Ultramax MF TOUCH gives you the versatility of ultrasonic and mechanical polishing in one package

SPECIFICATIONS

Operating Frequency:	18-26kHz
Frequency Adjustment:	Automatic feedback
Stroke Amplitude:	3-40 microns
Max. Power Consumption:	300 Watts
Overload Indicators:	Yes
Load Indicator:	5 level LED lamps
Max. Output Power:	36W (standard handpiece)
Output Adjustment:	Continuously variable
Output DC Rotary Tool:	5-32VDC, Max. 180 W
Output DC Brushless Tool:	1,000-50,000 rpm, Max. 250 W
Electrical:	90-240VAC 50/60Hz
Fuse:	3A 20mm time-lag
Dimensions:	6.75"W x 9.5"D x 5.5"H
Net Weight:	5.5 lbs.

ITEM NUMBER	DESCRIPTION
5000237	Ultramax MF Touch System with Ultrasonic Handpiece



ULTRAMAX® MF TOUCH COMPLETE 3-IN-1 Pkg.

The Multi-Function ULTRAMAX® MF TOUCH is our most versatile polishing system. It utilizes a high-efficiency microprocessor to deliver power to ultrasonic, brushless DC, and brush-type DC handpieces. This complete kit includes: the ULTRAMAX® MF TOUCH polishing system, plus 2 additional handpieces and a convenient cabinet. Everything you need to start polishing, at a great value!

Organize your workbench with the 3-in-1 Cabinet. With a separate handpiece holder for each handpiece it's easy to reach your handpieces when you're ready to work. Includes two drawers with plastic inserts for storing your tools and polishing supplies. The cabinet is made of 1 mm thick powder-coated steel sheet to provide a sturdy base. Excellent accessory for those who want to keep the work environment organized!



Complete 3-in-1 package includes:

- MF TOUCH Control Box
- MF Ultrasonic Handpiece
- BH-60 Rotary Handpiece
- Recipro Z-6X or Z-2X Profiler Handpiece
- 3-in-1 MF TOUCH Cabinet
- Handpiece rest
- Tool changing wrenches
- 1mm & 3mm flat clamp tool holders
- 3mm round tool holder
- Variable speed foot switch



Ultrasonic



Rotary



Profiler

Handpieces

MF ULTRASONIC HANDPIECE: provides 36W of continuously variable power for precision reciprocating action.

BH-60 ROTARY HANDPIECE: delivers 50,000rpm utilizing a 230W brushless rotary motor for incredible power—even at low speeds! Provides ample torque at all times to ensure fast and smooth metal removal.

Z-6X OR Z-2X POWER HAND RECIPROCATING PROFILER: comes complete with powerful 30V DC air-cooled motor and sealed bearings. Use for polishing flat surfaces, deburring, filing, stoning, scraping, lapping and draw-stoning deep cavities. They operate with minimal vibrations to reduce fatigue and have flexible power cords for easy reach. Special V-shaped chucking system firmly secures a wide variety of abrasives and other tools such as steel files.

ITEM NUMBER	DESCRIPTION
5000232	MF TOUCH COMP w/ Z-6X Recipro
5000233	MF TOUCH COMP w/ Z-2X Recipro



Mobile Work Station

Features

- Built in 110v electrical outlets
- Motorized lift
- 2 tier platforms for equipment and accessories
- Weight: 44 lbs.
- Ship Weight: 53 lbs (UPS, FedEx)
- Shipping Dimensions: 20"D x 22-1/4"L x 34-1/2"H
- Footprint (DxL) 16" x 22"
- Power Cable: 6" Long
- Two-Year Limited Warranty

Mobile Work Station which is a unique and versatile solution for small crowded work spaces. Its tower construction, with built-in electrical outlets, allows users to stack multiple powered devices. The Station has a motorized lift that adjusts the top platform up and down allowing you to work sitting or standing. Its heavy duty casters provide ease of transport for shared use wherever needed. The Mobile Work Station brings together combinations of power equipment in a footprint of only (16"D x 22"L x 43-1/2"H). The only requirement is to be within 6 feet of an electrical outlet for powering up the unit and its multi-plug power strip. The unit comes assembled (except for the middle shelf). The front pivoting kickstand enhances stability for safely managing different pieces of equipment. It is the 3-tier design which provides multiple options for arranging your equipment (no equipment is included). Top and Bottom Platforms, Middle Shelf and Extension Trays have a 1/4" lip to help secure tools:

- Top Work Platform: 14-3/8" square. It features two extension trays that swing out to keep work pieces and other small objects close by when working. Each extension tray is 8" x 4-1/4".
- Middle Shelf: 12-1/4" x 12-5/8". It comes with a removable yoke for mounting a flexible shaft motor. With the yoke removed, the shelf can easily hold micromotors and other equipment.
- Lower Platform: 15-5/8" x 9-3/4" tray for tools and storage.



FOREDOM® MOBILE WORK STATION	
Weight:	44 lbs
Ship Weight:	53 lbs (UPS, FedEx)
Overall Dimensions:	16" x 22" x 43-1/2"
Shipping Dimensions:	34-1/2" x 22-1/4" x 20"
Power Cable:	6" Long
Height to top of work platform:	43-1/2" highest setting, 30-1/2" lowest setting
Universal Voltage:	110/60Hz, comes with US plug, 220V plug options available
Warranty:	Two years, limited

ITEM NUMBER	DESCRIPTION
8101620	Foredom® Mobile Work Station (only)





ULTRAMAX® DF Ultrasonic Polisher

Features

- Maximum output of 100 Watts, enables polishing of the toughest metals, like titanium and tungsten carbide with ease.
- Short stroke length and fast reciprocation for total control over the most difficult tasks.
- NANO function for delicate, ultra-fine polishing
- TOUCH function to protect your work piece from accidental contact
- FINE function allows fine-tune output to exact whole number
- Included with the set is the UF-9705 Ultrasonic Hand piece, the PHP35 Rotary Hand piece and standard tool set
- UF-7405 Large Hand piece (Optional)
- PH3 Variable Speed Foot Rheostat (Optional)

The ULTRAMAX® DF Power is a dual-function system that gives you the versatility of both ultrasonic and mechanical polishing. Achieve mirror finishes on milled and EDM surfaces using the ULTRAMAX® DF Power with finishing stones, files, ceramic stones, lapping stones with diamond compounds, and sintered, resin, and plated diamond tools. With a maximum output of 100 Watts, you can even polish the toughest metals like titanium and tungsten carbide with ease.

The ULTRAMAX® DF Power comes with a UF-9705 ultrasonic handpiece (6mm thread), a PHP35 rotary handpiece (1/8" collet), and its DC motor port is compatible with the entire line of Gesswein Power Hand® micromotor system handpieces. For the toughest jobs, turn to the optional UF-7405 handpiece with 8mm thread which is ideal if you have very heavy-duty EDM applications (see our 5001322 - sold separately).

Short stroke length and fast reciprocation give you total control over the most difficult polishing and deburring tasks. Polish right up to walls and deburr edges with the system's special control functions. Use the NANO function for delicate, ultra-fine polishing and the TOUCH function to protect your workpiece from accidental contact.



Tool Set Includes:

- Diamond files & stones
- Resin bonded diamond stones
- Ceramic stones
- Lapping tools
- Clamp tool holders
- Handpiece protector sleeves and wrenches



ITEM NUMBER	DESCRIPTION
5000210	Ultramax DF Ultrasonic Polisher



ULTRAMAX® UM-1200 Ultrasonic Polisher

Features

- 36W Ultrasonic Handpiece, 25,000 cycles per second
- Hi/Low stroke length of 10/35 microns
- Use with ceramic stones and diamond files
- Includes 1mm Flat and 3mm Round tool holders

The most affordable ultrasonic polisher for polishing with diamond tools and ceramic stones. The high quality UM-1200 produces 25,000 cycles per second of longitudinal vibration in a small, comfortable handpiece with an invisible minute stroke of 10 to 35 microns from low to high output levels. UltramaxUM-1200 boasts features normally found only in much more expensive units. Self-regulating to ensure all finishing tools work at optimal efficiency. A power suspending system drops output power to 6W when the handpiece is not in use, keeping the handpiece cool and extending transducer life. And output power varies with hand pressure on the workpiece, providing ultra-precise polishing results and smooth surface finishes. Includes controller, handpiece with 8mm screw thread, standard accessory set (two sintered and six plated diamond tools, two ceramic stones), one flat clamp tool holder, two round clamp tool holders, on/off foot switch, handpiece cradle rest, bench jig, wrench and hex key.



The DF UM-1200 Set Includes:

- Controller
- Handpiece
- On/off foot switch
- Handpiece cradle rest
- Two sintered diamond tools
- Six plated diamond tools
- Two ceramic stones
- Tool holders
- Wrenches

SPECIFICATIONS (CONTROLLER)

Vibration Frequency:	18 - 25kHz
Frequency Adjustment:	Automatic feedback
Stroke Amplitude:	10 - 35 um
Power Consumption:	46 Watts
Max. Output Power:	39 Watts
Electrical:	90-240VAC 50/60Hz
Dimensions:	7-1/2" W x 5-1/2" D x 3-1/2" H
Net Weight:	1.5 lbs.

SPECIFICATIONS (HANDPIECE)

Transducer:	B.L.T. Electrostrictive
Cord Length:	59" (straight cord)
Screw Thread:	M8
Dimensions:	5" L x 1-3/16" - 3/4" dia.
Net Weight:	6.5 oz.

ITEM NUMBER	DESCRIPTION
5001200	Ultramax UM-1200





Gesswein Mold & Die Micro TIG Welder U6 - 110V

Features

- Save money by keeping welding repairs inhouse
- Weld quickly, one spot weld every 0.5 seconds
- Easy to Use
- Portable and mobile utilizing 110v power
- Minimal heat into the welding area
- For use on all common tool steels, stainless steels, aluminum, and copper
- Repair parting lines, mold seams, three-point corners and edges
- Repair slides, ejectors, and core pins
- One-year manufacturer's warranty

The Gesswein Mold & Die Micro TIG Welder U6 - 110V for repairing parting lines, mold seams, 3-point corners and edges using the latest micro TIG welding technology. The U6 Micro TIG welder produces small, consistent spot welds that penetrate the mold surface. The welded areas are strong and can withstand the pressures and working conditions during the molding process. Pre-Programmed and Ready to Use for Steel, Aluminum and Copper. Select the program for your mold repair application and start welding. Each program is set to the optimal weld pulse and time lapse for the specified mold repair application. Manually override the pre-programmed settings, if preferred. The Micro TIG U6 welder comes complete with Microscope SMM with articulating arm, LED light, electrode handpiece, set of (10) 0.6mm, (10) 0.8mm and (10) 1.0mm electrodes, electrode sharpener, ground cables and argon gas regulator.



Includes:

- Microscope SMM with articulating arm
- LED light
- Electrode handpiece
- Set of (10) 0.6mm, (10) 0.8mm and (10) 1.0mm electrodes
- Electrode sharpener
- Ground cables
- Argon gas regulator

Weld anywhere on any type of mold large or small! The adjustable and magnetic microscope base affixes to any metal surface. The microscope arm is extremely flexible to allow for comfortable welding on almost any mold surface. Keep the microscope at your bench or take it to the mold for a quick in-press repair. The 10X microscope comes complete with integrated LED lighting for proper illumination of the welding surface. A protective eye shutter built into the microscope provides protection for eyes. Field of view 20mm.



ITEM NUMBER	DESCRIPTION
8301650	Micro TIG Welder u6 - 110v



Welding Wire

Features

- 11 different materials
- Wire comes in 9" or 18" length depending on diameter
- Packaged in quantities of 25



Item Number	Material	Diameter	Length
8302763	7075	0.01	18
8302765	7075	0.02	18
8302634	A-2	0.015	18
8302764	Aluminum 7075	0.015	18
8302767	Aluminum 7075	0.03	18
8302664	BeCu	0.015	18
8302667	BeCu	0.03	18
8302611	H-13	0.005	9
8302613	H-13	0.01	18
8302614	H-13	0.015	18
8302615	H-13	0.02	18
8302616	H-13	0.025	18
8302617	H-13	0.03	18
8302623	H-13M	0.01	18
8302647	M-2	0.03	18

Item Number	Material	Diameter	Length
8302601	P-20	0.005	9
8302603	P-20	0.01	18
8302604	P-20	0.015	18
8302605	P-20	0.02	18
8302606	P-20	0.025	18
8302607	P-20	0.03	18
8302591	P-20M	0.005	9
8302654	S-7	0.015	18
8302657	S-7	0.03	18
8302561	SS-420	0.005	9
8302563	SS-420	0.01	18
8302564	SS-420	0.015	18
8302565	SS-420	0.02	18
8302566	SS-420	0.025	18
8302567	SS-420	0.03	18



Micro TIG Welder Replacement Parts & Accessories



Item Number	Description
8301516	Argon Gas Regulator



Item Number	Description
8301521	Argon Screw Nut



Item Number	Description
8300931	Electrode Collet 0.6mm
8300933	Electrode Collet 0.8mm
8301503	Electrode Collet 1.0mm



Item Number	Description
8301499	0.6mm Electrode Set of 10
8300934	0.8mm Electrode Set of 10
8301651	1.0mm Electrode Set of 10

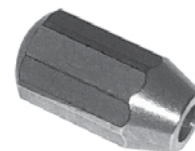


Item Number	Description
8301524	Handpiece Cap



Micro TIG Welder Replacement Parts & Accessories - Con't

Item Number	Description
8301523	Handpiece Nut



Item Number	Description
8301625	Electroder Sharpener



Item Number	Description
8301626	Electrode Sharpener Diamond Wheel Head



Item Number	Description
8300966	Microscope Glass



Item Number	Description
8301649	U6 Transport Case



Micro TIG Welder Replacement Parts & Accessories - Con't

Item Number	Description
8301512	Microscope Rubber Eye Flaps



Item Number	Description
8204650	Pin Vise, Double Ended



Item Number	Description
8202500	Wire Holder



Item Number	Description
8301577	Longer Electrodes Kit



Micro TIG Welder Replacement Parts & Accessories - Con't



Item Number	Description
8301599	U5/U6 Microscope



Item Number	Description
8301656	Contact Clamp



Item Number	Description
8301660	U6 Extension Package includes an extended handpiece, extended magnet ground, and microscope extension cables.



Lase One Welders

Features

- Plasma arc spot welding (1 to 300 joules)
- Weld quality and aspect very similar to that of laser welds
- No overheating / deformations
- Easy assembly and repair welds of very small as well as large parts
- Weld time adjustable to the tenth of a millisecond (pulse duration 0.1 to 10 ms)
- Reliable and easy to use
- 9 Adjustable Programs
- Welding of ferrous / non-ferrous / precious materials (gold, silver, etc.)
- Economical and safe
- Welding power and weld time independently adjustable

The Lase One Welder is the ideal solution for precision micro welding of tool steel, copper, and aluminum. This compact, efficient, and versatile system delivers controlled welding intensity across various applications and materials. Combining the precision of pulsed YAG laser welders with user-friendly operation and cost-effectiveness. Lase One is available as a complete kit including the generator, microscope with clamping stand, torch, clamping ground, KIT ACC L1 or KIT ACCXL L1, Flowmeter Regulator and Power Converter. Electrode Sharpener sold separately.



Item Number	Power	Joules	Pulse Duration	Cooling	Gas	Accessory Kit
L1-200I	230 V / 50 Hz / 60 Hz	1-200 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACC L1 (Short)
L1-250I	230 V / 50 Hz / 60 Hz	1-250 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACC L1 (Short)
L1-300I	230 V / 50 Hz / 60 Hz	1-300 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACC L1 (Short)
L1-200IL	230 V / 50 Hz / 60 Hz	1-200 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACCXL L1 (Long)
L1-250IL	230 V / 50 Hz / 60 Hz	1-250 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACCXL L1 (Long)
L1-300IL	230 V / 50 Hz / 60 Hz	1-300 Joules	0.1ms to 10ms	Forced Air	Argon	KIT ACCXL L1 (Long)

Lase One Mobile Cart

Features

- Portable cart for the Lase One welders
- Power Input - 230V
- Dimensions - 23" x 53"
-

Lase One Mobile Cart uses an electric cylinder to raise and lower the Lase One welders. The carts are controlled by remote control and can store a bottle of argon gas for ease of transportation.



 Inch

Item Number	Power	Dimensions	Weight (lb)
CART	230V	23" x 53"	199



Lase One Power Converter

Features

- Heavy Duty Step Up/Down Operation - Convert 110/117/120V AC to 220/230/240V AC OR 220/230/240V AC to 110/117/120V AC
- 3000 Watt Maximum Capacity
- Fuse Protection
- Universal Output Socket
- CE Certified

LT-3000 voltage converter can be used as a step up or step down transformer to take voltage from 110v to 220v or 220v to 110v. The universal output socket accepts plugs from most countries around the world and is completely grounded for both input and output. Fuse protection of your electronics and the transformer from power or voltage overload. The fuse will cut off the power to the transformer during overload and you can easily replace the fuse to reset the transformer. The LT-3000 provides heavy duty step up or step down operation to convert 110/117/120V AC to 220/230/240V AC or 220/230/240V AC to 110/117/120V AC. Set the input voltage switch in the back based on the country's voltage and connect your device to the appropriate outlet in the front. Note that these transformers only convert the voltage and the output Hz (frequency) remains the same as the input.



U Inch

Item Number	Max Capacity	Min Frequency	Power Source	Weight (lb)	Dimensions
LT-3000	3000 Watts	50 Hertz	Corded 110v	22	12.9 x 9.3 x 8.4

Lase One Flowmeter Regulator

Features

- Unit of Measure - Millimeters
- Construction incorporates regulator and flowmeter into one compact unit
- Precise adjustment knob
- Security valve
- Valve box
- 5 to 30L/min, Argon/CO2
- Hose - 2 meters



U Millimeter

Item Number	Flow Rate	Hose Length
L1-DCAUS	5 to 30 Liter / Minute	2 Meters



Lase One Stereo Binocular Microscope

Features

- Shutter generator unit driven
- Adjustable magnification from x4 to x20
- Cold lighting ring with 60 white light LED's
- Including one set of 2 ergonomic foam wrist/hand/arm supports

Stereo Binocular Microscope with shutter generator unit driven plus adjustable magnification from x4 to x20. Cold lighting ring with 60 white light LEDs make for strong and focused illumination that is shadow free. The 60 lights are divided into 4 individual zones. Each zone has its independent ON/OFF control as well as brightness control. Included with the microscope is one set of 2 ergonomic foam wrist/hand/arm supports. Expand the range of the standard microscope with an extension arm and extension tubes (sold separately).



U Inch

Item Number	Magnification	Lighting	Shutter
BINO V2	4 - 20x	LED 60 watt	Yes

Lase One Stereo Binocular Microscope Accessories

Features

- Use with SST microscope

Lase One Stereo Binocular Microscope Accessories consist of an extension arm and tubes to extend the reach of the microscope from either a clamp or magnetic mount. Utilize the magnetic base to conveniently move the microscope to various locations.



U Millimeter

Item Number	Description	Length
BINO-EXT-A21	Arm Extension	150mm
BINO-EXT-T15	Tube Extension	150mm
BINO-EXT-T30	Tube Extension	300mm
BINO-BM7	Magnetic Base	N/A
BINO PSB	Clamp Support Plate	N/A



Lase One Electrode Sharpener

Features

- Portable
- Integrated dust filter
- Grind electrode angles from 15° to 180°
- Power supply: 110/230V - 50/60Hz
- Motor: 650W
- Max. speed 28 000 RPM
- Replacement discs (L1-DGW240) sold in packs of 2



U Inch

Item Number	Input Power	Wattage	RPM
L1-AF02	110/230V - 50/60 Hz	650	28,000

Lase One Electrode Set

Features

- 70mm lengths electrodes available diameters are 0.5mm, 1.0mm, 1.6mm and 2.4mm
- 105mm lengths electrodes available diameters are 1.6mm and 2.4mm
- 10 electrodes per set



U Millimeter

Item Number	Diameter	Length
ELA20-0570-10	0.5mm	70mm
ELA20-1070-10	1.0mm	70mm
ELA20-1670-10	1.6mm	70mm
ELA20-2470-10	2.4mm	70mm
ELA20-10105-10	1.0mm	105mm
ELA20-16105-10	1.6mm	105mm





Lase One Accessory Kit

Features

- Kit includes torch, foot pedal and clamping style ground
- Choice of 1.5 or 3.0 meter cable lengths



U Millimeter

Item Number	Length
KIT ACC L1	1.5 meters
KIT ACCXL L1	3.0 meters

Lase One Microwelding Torch

Features

- Available in two lengths: 1.5 meter and 3.0 meter

Lase One Microwelding Torch for the Lase One Microwelding units. Available in either 1.5 or 3.0 meters and accommodates electrode diameters of 1.0, 1.6 and 2.4mm.



U Millimeter

Item Number	Length
L1-TM-15	1.5 Meters
L1-TM-30	3.0 MetersL1-TM-15



Lase One Microwelding Torch Accessories Kit

Features

- Standard Kit includes - one positioning tool; one each electrode 1.0mm, 1.6mm, 2.4mm diameter; 3 electrode holding grippers, 1.0mm, 1.6mm, 2.4mm; 5A fuse
- Long Kit includes - one positioning tool; one long nozzle 2.5mm, one long nozzle 4.5mm; 5 electrodes 1.0 x 105 mm, 5 electrodes 1.6 x 105 mm

 Millimeter

Item Number	Nozzle Type
L1-DEL-KIT	Long
L1-TM-KIT	Standard



Lase One Microwelding Torch Nozzle

Features

- Replacement nozzle
- Standard length
- Material - composite
- Replacement nozzle for L1-TM-15 or L1-TM-30

 Millimeter

Item Number	Material
L1-BU	Composite



Lase One Electrode Positioning Tool

Features

- Adjustable to set electrode lengths
- Works with all Lase One electrode diameters

Lase One Electrode Positioning Tool to adjust and fix the proper electrode length out of the neck support of the micro welding torch. The electrode length can be adjusted using a screw system in the positioning tool.

 Millimeter

Item Number	Adjustable
L1-POSI	Screw System



Lase One Manual Wire Feeder

Features

- Supports 0.2mm to 0.6mm diameter wire
- Manual feed

Lase One Manual Wire Feeder supports micro welding wire from 0.2mm to 0.6mm diameters. The manual feed lets you work with precision using small diameter welding wire.

 Millimeter

Item Number	Wire Diameters
SST-GF	0.2mm to 0.6mm



Lase One Cleaning Pen

Features

- Lase One Cleaning Pen for micro welding. Constructed of fiberglass for strength and durability. Each cleaning pen comes with one refill. Additional refills sold separately in packs of 10, item number CN-FIB-X12

 Millimeter

Item Number	Material
CN-PEN	Fiberglass



Lase One Electrode Holding Gripper

Features

- For electrode diameters - 0.5mm, 1.0mm, 1.6mm and 2.4mm

 Millimeter

Item Number	Diameter
L1-PE-05	0.5mm
L1-PE-10	1.0mm
L1-PE-16	1.6mm
L1-PE-24	2.4mm



Lase One Collet Body

Features

- Lase One Collet Body for the torch comes in 4 diameters to accommodate electrodes of .5mm, 1.0mm, 1.6mm and 2.4mm



U Millimeter

Item Number	Diameter
L1-SC-05	0.5 mm
L1-SC-10	1.0 mm
L1-SC-16	1.6 mm
L1-SC-24	2.4 mm

Lase One LED Illuminated Ring

Features

- 60 white light LED bulbs
- Shadow free illumination
- 4 dimmable zones
- Adaptable on the Lase One stereo microscope



U Millimeter

Item Number	Lighting
BINO KIT RLE	LED Ring / 60 LED Lights

Lase One Foam Wrist Rest

Features

- Material - Foam
- Sold in pairs

Lase One Foam Wrist Rests consists of a set of 2 supports. The foam wrist rests are ergonomically designed to perfectly position our arms, wrists and hands in a perfect position for meticulous welding applications.



U Millimeter

Item Number	Material	Package
SST-MSP	Foam	2





Lase One Welding Mask

Features

- Lenses - x 2.5 Magnification
- LCD Shutter Generator Unit Driven

Lase One Welding Mask provides x 2.5 magnification. Liquid Crystal Light Valve (LCD) shutter generator unit driven. Use in with the coupling cable (L1-CCSM) to simultaneously view while someone is welding with the microscope.



U Millimeter

Item Number	Shutter	Magnification
L1-MS02	LCD	x 2.5

Lase One Coupling Cable

Features

- Couples microscope and welding mask
- Length - 4cm

Lase One Coupling Cable allows for simultaneous use of both the stereo microscope and welding mask.



U Millimeter

Item Number	Length
L1-CCSM	4 cm





Lase One Ground Cable - Magnetic

Features

- Length - 2 and 4 meters
- Style - Magnetic



U Millimeter

Item Number	Length	Mount
L1-CMMG-20	2 Meters	Magnet
L1-CMMG-20	4 Meters	Magnet

Lase One Ground Cable - Clamp

Features

- Length - 2 and 4 meters
- Style - Clamp



U Millimeter

Item Number	Length	Mount
L1-CM-20	2 Meters	Clamp
L1-CM-40	4 Meters	Clamp

Lase One Foot Switch Pedal

Features

- Length - 2 and 4 meters



U Millimeter

Item Number	Length
SST-PDC-20	2 Meters
SST-PDC-40	4 Meters

