

MARK V LABORATORY

METALLURGICAL EQUIPMENT & SUPPLIES
FOR QUALITY, PRICE & CUSTOMER SERVICE SINCE 1961

800-243-9776

markvmet@netscape.net

www.markvlab.com

CUT-OFF & SECTIONING

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[Cut-off Wheels](#)
[Diamond Blades](#)
[PCB Saws & Routers](#)

MOUNTING SYSTEMS & SUPPLIES

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[Discs, Rolls, Sheets, Strips & Belts](#)

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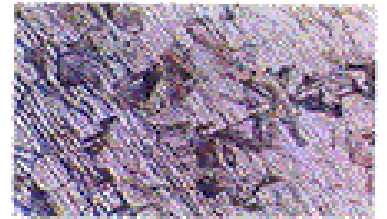
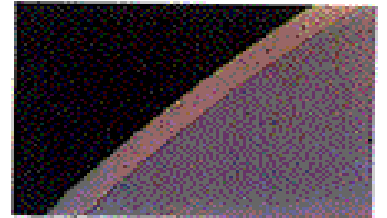
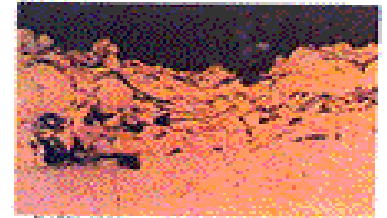
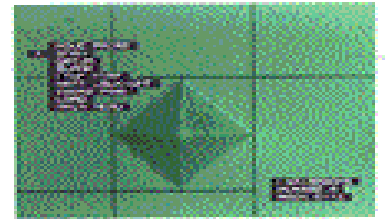
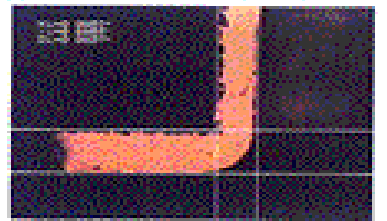
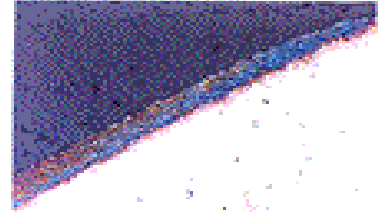
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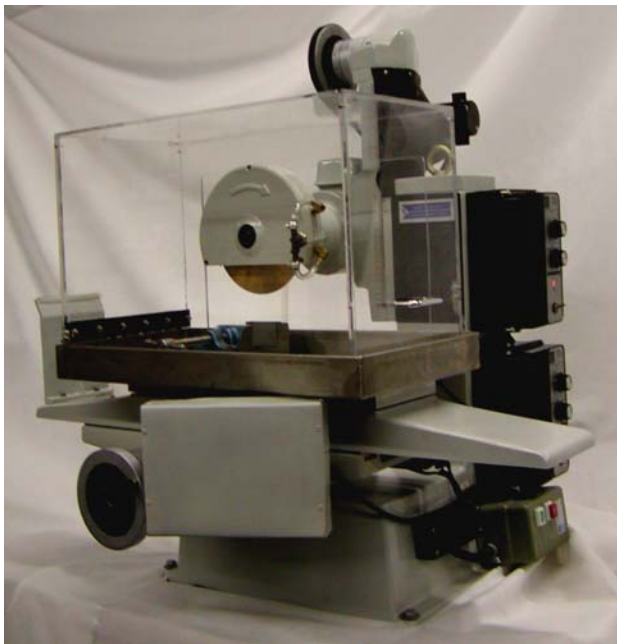
MARK V LABORATORY

METALLURGICAL LOW DEFORMATION CUT-OFF & SECTIONING MACHINES WITH SELF CONTAINED COOLING, AUTO OR MANUAL FEEDS & FULL SAFETY SYSTEMS



Manufactured by Mark V Lab, the 600 Series Line of machines offers automatic high-low speed sectioning without deformation to the sample. A Gravity Feed Systems allows for a wide range of Feed Rates, Automatic Operation and Shut-off. Internal Coolant Tank cools the blade and sprays the sample for a Cold Cut. Safety Features include Low Voltage Controls & Safety Cover Auto-Shut-Off Systems. Single, Dual & Variable Speed Motors offer Blade Speeds from 0-3500 r.p.m. with a cutting capacity of 1 1/2". A variety of Cut-Off Blades & Diamond Blades are available for cutting anything from very hard to soft materials such as alloyed steels, powdered metals, titanium, etc. to aluminum, brass, plastics and composite materials. 110/220V

Item	Description	AUTOMATIC MACHINES	Price
CD600	DUAL SPEED, (2000 + 3450 RPM) 6" CUT-OFF MACHINE		3,346.00
CS600A	SINGLE SPEED (3450 RPM) 6" CUT-OFF MACHINE		3,040.00
CSQSV	STAINLESS QUICK ACTION VISE F/ SERIES 600		320.00
DW600A	DUAL WHEEL AUTOMATIC 6" CUT-OFF MACHINE		3,342.00
MC-600	VARIABLE SPEED (0-3000 RPM) 6" W/ MICRO CROSS- FEED		3,998.00
MV-600	VARIABLE SPEED (50-3500 RPM) 6" SECTIONING MACHINE		3,423.00



Mark V Lab Thin Sectioning/Slotting Machine features Micrometer Controls in 3 axis & Auto Variable Speed feed in verticle Downfeed and Horizontal Crossfeed. Precision section or slot a wide variety of materials from ceramics and composites to the toughest metal alloys to a few thousandths width. With the correct choice of Diamond, Borazon or Thin Abrasive Blades the TS-700AS will cut any material up to 2" thick without deformation or heat-up at 3450 rpm. The TS-700AS features a Recirculating Cooling System, Automatic Feed & Shut-Off System, Large Fully Enclosed Cutting Chamber with Stainless Steel Tray and Quick-Action Vise. The Machine comes complete with the following 7 x .020 x 1 1/4" Diamond (for ceramics, etc.) Aluminum Oxide (for ferrous metals & alloys) and Silicon Carbide (for titanium & non-ferrous metals) Blades. 110V 10Amp

AUTOMATIC & MANUAL 3 AXIS SECTIONING MACHINES

Item	Description	Price
TS-700	THIN-SECTIONING 7" MACHINE W/ MANUAL FEEDS	8,998.00
TS-700A	THIN-SECTIONING 7" MACHINE W/ 1 AUTO FEED	10,829.00
TS-700AS	THIN-SECTIONING/ SLOTTING 7" MACHINE W/ 2 AUTO FEED'S	12,660.00
TS-QSV	STAINLESS QUICK ACTION VISE F/ 700 SERIES	875.00
TS-QVA	STEEL QUICK ACTION VISE F/ 700 SERIES	650.00

MARK V LABORATORY

METALLURGICAL LOW DEFORMATION SECTIONING MACHINES WITH SELF CONTAINED COOLING, MANUAL FEED GUIDES & FULL SAFETY COVERS



Manufactured by Mark V Lab. This Watercooled Diamond Sectioning Machine is ideal for cutting coupons from small PCB's, Thin Wall Metal Stampings, Eyelets, etc.. Small Desktop unit allows the operator to easily cut close to plated-through holes or other areas of interest. Thick multi-layer boards, even ceramic components are sectioned in minutes not hours. The machine comes with Enclosed Coolant Tank, **DB412-8** 4x .012 x 5/8" Diamond Blade, **RW-4** Reinforced Abrasive Blade, Heavy Duty Cutting Table, Work Lamp, GFI Circuit Protection and Safety Cover Spray Shield. 110V.

Item	Description	Price
PCS-400	PRINTED CIRCUIT SAW W/4" DIAMOND BLADE & FEED TABLE	1,050.00
DB412-8	4"X.012"X5/8" DIAMOND BLADE, FINE CUTTING	202.00
DB420	4"X.014"X5/8" DIAMOND BLADE, AGGRESSIVE CUTTING	172.00
RW-4	4" X .040" X 5/8" REINFORCED ABRASIVE BLADE, EA.	14.00



Manufactured by Mark V LAB. The **PCS-600** Watercooled Diamond Sectioning Machine is ideal for cutting coupons from small to large PCB's, even boards with mounted components. Table Top unit allows the user to easily cut close to plated-through holes or other areas of interest. Hard to cut Kevlar and thick multi-layer boards, even ceramic components are sectioned in minutes not hours. Unlike punches or even routers the PCS-600 gives a smooth deformation free cut that greatly reduces grinding time and eliminates stress induced failures.

The **MTS/600** Materials Sectioning Machine is ideal for cutting flat stock, thin wall stampings and tubes, can tops, circuit boards, etc. without deformation. Dual Range Motor gives blade speeds of 3450 & 2000 rpm. for cutting a wide variety of materials with Diamond 6 x .020 X 5/8" or Abrasive Blades. Both machines come with an Enclosed Coolant Tank, Large 18 x 11.5" Heavy Duty Cutting Table, Mitered Feed Guide Low Voltage Controls, Work Lamp & Safety Spray Shield. 110V.

Item	Description	Price
PCS-600	PRINTED CIRCUIT SAW W/6" DIAMOND BLADE & FEED GUIDE	2,998.00
MTS/600	MATERIALS 6" TABLE SAW, W/ 2 SPEEDS	3,290.00
DB620	6"X.020"X5/8" DIAMOND BLADE, EA.	204.00
RW-6	6" X .040" X 5/8" REINFORCED ABRASIVE BLADE, EA.	19.00

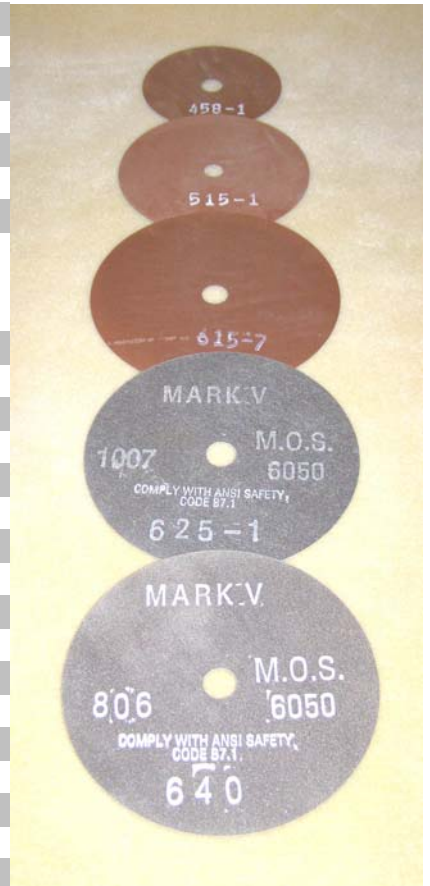
MARK V LABORATORY

LABORATORY GRADE RUBBER BONDED CUT-OFF & SECTIONING BLADES IN ALUMINUM OXIDE, SILICON CARBIDE & REINFORCED ABRASIVE

Item	Description	Price
REPLACEMENT FOR BUEHLER, LECO & STRUERS CUT-OFF MACHINES		
1016-1	10"X1/16"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	138.00
1016-4	10"X1/16"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	140.00
1016-7	10"X1/16"X1-1/4" S/C CUT-OFF WHEEL, 10/PKG.	144.00
1040-1	10"X.040"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	142.00
1216-1	12"X1/16"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	152.00
1232-1	12"X3/32"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	147.00
1232-4	12"X3/32"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	147.00
1232-7	12"X3/32"X1-1/4" S/C CUT-OFF WHEEL, 10/PKG.	154.00
1245-1	12"X.045"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	152.00
1432-1	14"X3/32"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	168.00
1445-1	14"X.045"X1 1/4" A/O CUT-OFF WHEEL, 10/PKG.	182.00
916-1	9"X1/16"X1-1/4" A/O CUT-OFF WHEEL,10/PKG.	123.00
916-4	9"X1/16"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	129.00
916-7	9"X1/16"X1-1/4" S/C CUT-OFF WHEEL, 10/PKG.	142.00
932-1	9"X.032"X1-1/4" A/O CUT-OFF WHEEL, 10/PKG.	129.00
932-7	9"X.032"X1-1/4" S/C CUT-OFF WHEEL, 10/PKG.	152.00



REPLACEMENT FOR BUEHLER, LECO & STRUERS SLOW SPEED SAWS		
412-1	4"X.012"X1/2" A/O CUT-OFF WHEEL, EA.	13.00
412-1-10	4"X.012"X1/2" A/O CUT-OFF WHEEL, 10/PKG.	104.00
412-7	4"X.012"X1/2" S/C CUT-OFF WHEEL, EA.	15.00
412-7-10	4"X.012"X1/2" S/C CUT-OFF WHEEL, 10/PKG.	132.00
515-1	5"X.015"X1/2" A/O CUT-OFF WHEEL, EA.	16.00
515-1-10	5"X.015"X1/2" A/O CUT-OFF WHEEL,10/ PKG.	145.00
515-7	5"X.015"X1/2" S/C CUT-OFF WHEEL, EA.	17.00
515-7-10	5"X.015"X1/2" S/C CUT-OFF WHEEL,10/ PKG.	158.00



REPLACEMENT FOR MARK V LAB CUT-OFF & SECTIONING MACHINES		
615-1	6"X.015"X5/8" A/O CUT-OFF WHEEL, EA.	17.00
615-10	6"X.015"X5/8" A/O CUT-OFF WHEEL, 10/PKG.	149.00
615-7	6"X.015"X5/8" S/C CUT-OFF WHEEL, EA.	20.00
615-7-10	6"X.015"X5/8" S/C CUT-OFF WHEEL, 10/PKG.	180.00
625-1	6"X.025"X5/8" A/O CUT-OFF WHEEL, EA.	14.00
625-10	6"X.025"X5/8" A/O CUT-OFF WHEEL, 10/PKG.	121.00
625-7	6"X.025"X5/8" S/C CUT-OFF WHEEL, EA.	17.00
625-7-10	6"X.025"X5/8" S/C CUT-OFF WHEEL, 10/PKG.	152.00
640	6"X.040"X5/8" A/O CUT-OFF WHEEL, EA.	13.00
640-10	6"X.040"X5/8" A/O CUT-OFF WHEEL,10/PKG.	111.00
644	6"X.040"X5/8" A/O CUT-OFF WHEEL, EA.	13.00
644-10	6"X.040"X 5/8" A/O CUT-OFF WHEEL,10/PKG.	111.00
647	6"X.040"X5/8" S/C CUT-OFF WHEEL, EA.	15.00
647-10	6"X.040"X5/8" S/C CUT-OFF WHEEL, 10/PKG.	128.00
RW-4	4" X .040" X 5/8" REINFORCED WHEEL, EA.	14.00
RW-4-10	4" X .040"X5/8" REINFORCED A/O WHEELS, 10/PKG.	120.00
RW-6	6" X .040" X 5/8" REINFORCED WHEEL, EA.	19.00
RW-6-10	6" X .040"X5.8" REINFORCED A/O WHEELS, 10/PKG.	150.00

MARK V LABORATORY

LABORATORY GRADE METAL BONDED DIAMOND & BORAZON BLADES DIAMOND BLADES IN FINE SECTIONING & AGGRESSIVE GRITS

Item	Description	Price
REPLACEMENT FOR MARK V LAB SECTIONING MACHINES		
DB412-8	4"X.012"X5/8" DIAMOND BLADE FOR PCS-400 FINE	202.00
DB420	4"X.014"X5/8" DIAMOND BLADE FOR PCS-400 COARSE	172.00
DB619	6"X.019"X5/8" DIAMOND BLADE FOR SERIES 600 FINE	289.00
DB620	6"X.020"X5/8" DIAMOND BLADE FOR SERIES 600 COARSE	204.00
DB720	7"X.020"X1.25" DIAMOND BLADE FOR 700 SERIES	369.00
REPLACEMENT FOR BUEHLER, LECO & STRUERS DIAMOND SAWS		
DB3006	3"X.006" X1/2" DIAMOND BLADE	172.00
DB412	4"X.012"X1/2" DIAMOND BLADE	214.00
DB515	5"X.015" X1/2" DIAMOND BLADE	254.00
DB515H	5"X.015" X1/2" HIGH CON. DIAMOND BLADE	254.00



LABORATORY GRADE CUT-OFF & SECTIONING SUPPLIES

CW128	WATER SOLUBLE CUTTING OIL, 1 GAL.	60.00	MSDS
CW32	WATER SOLUBLE CUTTING OIL, 1 QT.	22.00	
SO128	SOLUBLE CUTTING OIL, 1 GAL.	58.00	MSDS SO
SO32	SOLUBLE CUTTING OIL, 1 QT.	20.00	
PSI-A	DRESSING STICK F/ ABRASIVE BLADES, EA.	12.00	
PSI-D	DRESSING STICK F/ DIAMOND BLADES, EA.	12.00	

VARIABLE SPEED MICROMETER FEED DIAMOND SECTIONING MACHINE WITH SELF CONTAINED COOLING, AUTO GRAVITY FEED & SHUT-OFF

Item	Description	Price
MC-600	SECTIONING SAW W/MICROMETER CROSS- FEED	3,998.00
<p>This Automatic Sectioning Machine combines variable speed with micrometer cross-feed for thin sectioning without deformation to the sample. A Gravity Feed System allows for a wide range of Feed Rates, Automatic Operation and Shut-Off. Internal Coolant Tank cools the blade and sprays the sample for a Cold Cut. Safety features include Low Voltage Controls and Safety Cover Auto-Shut-Off System. Heavy Duty DC Motor and Controller give blade speeds of 0-1000 rpm with a cross-sectional capacity of 1 1/2". Diamond, Borazon and Thin Abrasive Blades are used cut a wide variety of materials. Micrometer Cross-feed offers 1" of travel in thousandths for thin or repeatable sectioning. 110V / 220V</p>		



LS1500	LOW SPEED SAW W/MICROMETER CROSS- FEED	3,250.00
<p>This Precision Sectioning Machine offers many advantages over standard low-speed machines with Blade Speeds 0-350 r.p.m Angle Adjustment Y 30 degrees. Radius Adjustment 360 degrees. Multiple Blade Gang Cutting with 1, 2, 3 or 4 Blades with spacers Takes 4" x .012 x 1/2" Diamond or Aluminum Oxide Blades Micrometer Positions within 5 microns of accuracy. Automatic Shut-off.</p>		



MARK V LABORATORY

PCB SAMPLE COUPON ROUTING MACHINES TABLE TOP & FLOOR MODEL MACHINES

Item	Description	Price
PCR-1100	TABLE TOP PRINTED CIRCUIT ROUTER	1,989.00

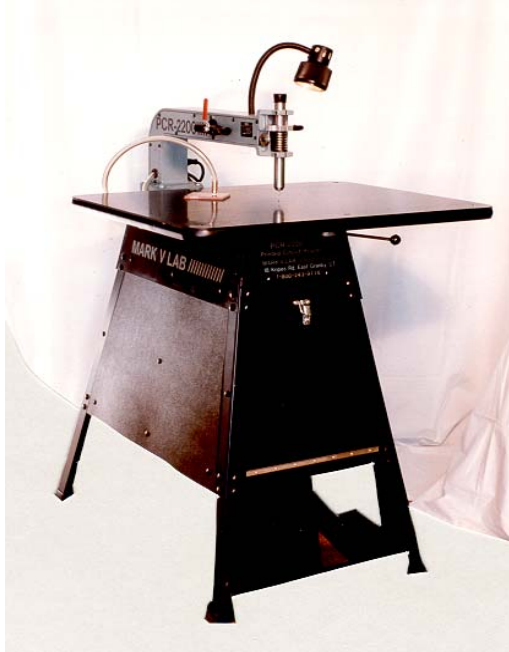


Printed Circuit Table Router
Manufactured by Mark V Laboratory for Free Cutting of PCB Coupons from small to large boards. This model Router easily fits on a counter-top and offers the ability to cut PCB samples from the toughest Kevlar, Multi-Layer and even Component Mounted Boards. Mitered Feed Guide allows square & rectangular coupons to be cut to any size without deformation or the stress's associated with punching or other methods. The PCR-1100 features a Dust Collection Vacuum System and Safety Cover with Locator Pin. The machine comes complete with drill point upcut router bits and extra vacuum bags. 110V 10Amp

PCRB3	PCR-1100 ROUTER BITS, 3 PCS.	19.00
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FLOOR MODEL PCB ROUTER FOR LARGE PCB & FIXTURED COUPON CUTTING

Item	Description	Price
PCR-2200	PRINTED CIRCUIT PIN TYPE ROUTER FLOOR MODEL	5,482.00



Manufactured by Mark V Laboratory, Floor Model Router for cutting PCB Coupons from small to large Printed Circuit Boards. Fixture or Free Cut test Samples from the toughest multilayer and KevLar boards. Large Delryn Work Table accepts boards up to 48 x 60 x 1/2". With one machine an operator can align, drill and route a coupon in one minute. No more punching, drilling or alignment problems. Once attached with a fixture under the machines indexing pin, the foot pedal is depressed and the appropriate drill point router bit drills the pin holes. Next the indexing pin is engaged into the route track of the fixture and the operator moves the board around the route track and the coupon is cut. The machine comes complete with a Enclosed Dust Collection Vacuum Systems, Magnified Work Lamp, Fixture and Router Bits. 110/220V.

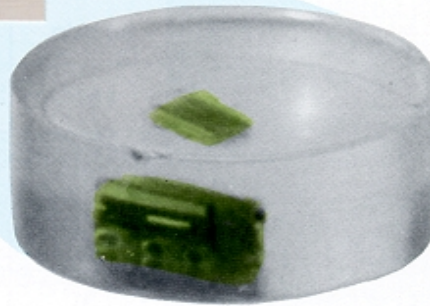
PCRB-078	.078" ROUTER BITS (STUERS FIXTURE) 3/PKG.	19.00
PCRB-094	.094" ROUTER BITS (BUEHLER FIXTURE) 3/PKG.	19.00
PCRB-125	.125" PCR ROUTER BITS, 3/PKG.	19.00
PCR-FIX	PCR-2200 FIXTURE	195.00
PCR-VAC	REPLACEMENT VACUUM BAGS 3/PKG. F/PCR 1100/2200	20.00

MARK V LABORATORY

METALLURGICAL SAMPLE MOUNTING PRODUCTS

FORMULA-1 ACRYLIC FAST CURE MOUNTING SYSTEMS

Item	Description	Price	MSDS
FMK-5	FORMULA 1 KIT, 5 LBS. POWDER, 2 QTS LIQUID & SUPPLIES	198.00	




The Formula-1 Acrylic Mounting System was developed to outperform all other Acrylic Systems on the market, with a combination of a 10-15 Minute Cure Time, the Best Adhesion/Lowest Shrinkage Rate, Highest Clarity and the Lowest Exothermic Temperature at 160 Degrees F. Formula-1 is the only system that offers a Standard Mix and a No-Mix Method for the Best Hole and Crevice Filling. The FMK-5 Kit comes complete with 5 Lbs. Powder, 2 Qts. Liquid Hardener, 5 ea. Plastic Molds and Mixing Supplies

FMK-2	FORMULA 1 KIT, 2.5 LBS. POWDER, 1 QT. LIQUID & SUPPLIES	102.00	MSDS FMP FML
FMK-25	FORMULA 1, 25 LBS. POWER & 10 QTS. LIQUID	842.00	MSDS FMP FML
FMK-50	FORMULA 1, 50 LBS. POWDER & 20 QTS. LIQUID	1,640.00	MSDS FMP FML
FMK-S	FORMULA I SAMPLE KIT	0.00	MSDS FMP FML
FML-128	FORMULA 1, HARDENER, 1 GAL.	123.00	MSDS FMP FML
FML-32	FORMULA 1, HARDENER, 1 QT	34.00	MSDS FML
FML-320	FORMULA 1, HARDENER, 2 .5 GAL.	223.00	MSDS FML
FML-64	FORMULA 1, HARDENER, 2 QTS.	64.00	MSDS FML
FMP-10	FORMULA 1, POWDER, 10 LBS.	232.00	MSDS FMP
FMP-100	FORMULA 1, POWDER, 100 LBS.	2,186.00	MSDS FMP
FMP-2	FORMULA 1, POWDER, 2.5 LBS.	70.00	MSDS FMP
FMP-25	FORMULA 1, POWDER, 25 LBS.	569.00	MSDS FMP
FMP-5	FORMULA 1, POWDER, 5 LBS.	124.00	MSDS FMP
FMR-5	FORMULA 1, 5 LBS. POWDER & 2 QTS. LIQUID	186.00	MSDS FMP FML
FXK-2	FAST FORMULA , 2.5 LBS. POWDER, 1 QT. LIQUID & SUPPLIES	110.00	MSDS FXP FXL
FXK-5	FAST FORMULA , 5 LBS. POWDER, 2 QTS. LIQUID & SUPPLIES	210.00	MSDS FXP FXL
FXL-128	FAST FORMULA LIQUID, 1 GAL.	132.00	MSDS FXL
FXL-32	FAST FORMULA LIQUID, 1 QT.	36.00	MSDS FXL
FXL-320	FAST FORMULA LIQUID, 2.5 GAL.	265.00	MSDS FXL
FXL-64	FAST FORMULA LIQUID, 2 QTS.	71.00	MSDS FXL
FXP-2	FAST FORMULA POWDER, 2.5 LBS.	72.00	MSDS FXP
FXP-25	FAST FORMULA POWDER, 25 LBS.	598.00	MSDS FXP
FXP-5	FAST FORMULA POWDER, 5 LBS.	132.00	MSDS FXP
FXR-5	FAST FORMULA, 5 LBS. POWDER & 2 QTS. FAST LIQUID	201.00	MSDS FXP FXL

MARK V LABORATORY

METALLURGICAL SAMPLE MOUNTING PRODUCTS HIGH QUALITY FAST CURE EPOXY MOUNTING SYSTEMS

Item	Description	Price	MSDS RR RH
EZ-1	EZ MOUNT SYSTEM COMPLETE	750.00	MSDS RR RH



The EZ Mount System offers the best metallurgical mount possible over other cold mount & thermoset materials. This Two Part Epoxy System is Mixed by Volume, Cures in 15 Minutes to a Clear Mount, Offers Excellent Edge Retention and Grinding Properties and has No Fumes or Odor. The EZ-1 comes complete with a Hot Plate, Mixing Buret with Stand, 2 QTS Resin, 8 oz. Hardener, 5 ea. Silicon Rubber Molds and Mixing Supplies. A wide variety of Silicon Rubber Molds are available in Round and Rectangular sizes. See RM Rubber Molds.

PCZ-1	EZ MOUNT SYSTEM W/ VACUUM OVEN	4,450.00	MSDS RR RH
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Two Part Epoxy Mounting System for PCB's and other hard to fill specimens that require the best filling, edge retention and grinding properties available. This Two Part Epoxy System is the same as the EZ Mount System with Volumetric mixing. 15 min. cure and a clear mount accept that it comes with a Vacuum Oven instead of a Hot Plate. By drawing a slight vacuum at temperature (160F) the smallest holes, cracks and crevices are easily filled. The System comes with 8 x 10 x 8" Vacuum Oven with 76 to 0 cm Hg Guage, Temperature Range of 80-300F, Vacuum Pump & Valve Systems, Mixing Buret, 2 Qts Resin, 8oz. Hardener, 5 ea. Rubber Molds and Mixing Supplies. 110V.

VACUUM BELL JARS AND PUMP SYSTEMS

Item	Description	Price
VIS/12	VACUUM SYSTEM W/12" JAR & PUMP	1,998.00
VIS/8	VACUUM SYSTEM W/8" JAR & PUMP	1,898.00



MARK V LABORATORY

METALLURGICAL SAMPLE MOUNTING PRODUCTS

HIGH QUALITY FAST CURE EPOXY MOUNTING SUPPLIES & RUBBER MOLDS

Item	Description	Price	
RH-128	EZ MOUNT HARDENER, 1 GAL.	260.00	MSDS RH
RH-16	EZ MOUNT HARDENER, 16 OZ	46.00	MSDS RH
RH-32	EZ MOUNT HARDENER, 32 OZ.	86.00	MSDS RH
RH-4	EZ MOUNT HARDENER, 4 OZ.	16.00	MSDS RH
RH-8	EZ MOUNT HARDENER, 8 OZ.	28.00	MSDS RH
RR128	EZ MOUNT RESIN, 1 GAL.	126.00	MSDS RR
RR32	EZ MOUNT RESIN, 1QT.	35.00	MSDS RR
RR64	EZ MOUNT RESIN, 2QTS.	66.00	MSDS RR
RR640	EZ MOUNT RESIN, 5 GAL.	468.00	MSDS RR
RRH128	EZ RESIN GAL. W/ HARDENER 16 OZ.	172.00	MSDS RR RH
RRH64	EZ RESIN 2QTS. W/ HARDENER 8 OZ.	94.00	MSDS RR RH
RM1	RUBBER MOLDS 1", 10/PKG.	90.00	
RM12	RUBBER MOLDS, 1-1/4", 10/PKG.	102.00	
RM15	RUBBER MOLDS, 1-1/2", 10/PKG.	132.00	
RM2	RUBBER MOLDS, 2", 5/PKG.	105.00	
RM225X1	RUBBER MOLDS, 2.25" X 1", 5/PKG.	90.00	
RM3	RUBBER MOLD 3", EA.	75.00	
RM3X2	RUBBER MOLD 3" X 2", EA.	120.00	
RM5	RUBBER MOLD 5", EA.	132.00	
RM5X125	RUBBER MOLD 5" X 1.25", EA.	120.00	
RMC-12	PC 3 COUPON RUBBER MOLDS, 1-1/4" 10/PKG.	102.00	
RMC-15	PC 3 COUPON RUBBER MOLDS, 1-1/2", 10/PKG.	132.00	



METALLURGICAL SAMPLE MOUNTING PRODUCTS

QUIC-KIT ACRYLIC 1 MINUTE CURE MOUNTING SYSTEM

Item	Description	Price	
KW-1	QUIC KIT SET, A & B LIQUIDS W/80 MOUNTING PLATES	74.00	MSDS KWA KWB



Quick Kit Set, A&B Liq., 80 PLTS

One Minute Mounting System for PCB Coupons utilizes a 2 part Acrylic Liquid System and 2 Acrylic Mounting Plates to form sandwich type of mount with the Circuit Board in the middle. The first plate is placed on the mounting post of the Kits Box or in the option. Teflon Fixture, a few drops of Liquid A are applied to the plate, the coupon is then set on the plate, a few drops of Liquid B are applied to the coupon and then the top plate is set onto the coupon. In 1 Minute the Mount has Cured and is ready for Grinding. The average finished mount is about 1/2" thick, is easy to grip and reduces Grinding and Polishing Time. Because of the viscosity of the two liquid system even the smallest hole is easily filled.

Quick Kit Set, A&B Liq., 80 PLTS

KW-A	#1 LIQUID, QUIC KIT FILLER RESIN	18.00	MSDS KWA
KW-B	#2 LIQUID, QUIC KIT HARDENER	18.00	MSDS KWB
KW-FX	QUIC KIT MULTI MOUNT FIXTURE	68.00	
KW-P	QUIC KIT MOUNTING PLATES, 80EA.	38.00	

MARK V LABORATORY

METALLURGICAL SAMPLE MOUNTING PRODUCTS

PLASTIC MOUNTING MOLDS, RELEASES, CLIPS & SUPPLIES

Item	Description	Price	
MS122	DRY AEROSOL MOLD RELEASE, 11 OZ.	21.00	MSDS MS122
MS145W	LIQUID MOLD RELEASE, 8OZ	20.00	MSDS MS145
MS220	AERO DUSTER	18.00	MSDS MS220
PCMF-100	SQUARE MOUNTING FORMS 100/PKG.	42.00	
PCMF-1000	SQUARE MOUNTING FORMS 1000/PKG.	382.00	
PCMT	SQUARE MOUNTING TRAY	14.00	
PM1	PLASTIC MOLDS 1" 12/PKG	19.00	
PM12	PLASTIC MOLDS 1-1/4", 12/PKG	21.00	
PM15	PLASTIC MOLDS 1-1/2", 12/PKG	24.00	
PMC100	PAPER MIXING CUPS. 100/PKG	18.00	
PMC500	PAPER MIXING CUPS, 500/PKG.	60.00	
RF1	1" PHENOLIC RING FORMS, 10/PKG.	8.00	
RF1-100	1" PHENOLIC RING FORMS, 100/PKG.	50.00	
RF12	1-1/4" PHENOLIC RING FORMS, 10/PKG.	9.00	
RF12-100	1-1/4" PHENOLIC RING FORMS, 100/PKG.	60.00	
RF15	1-1/2" PHENOLIC RING FORMS, 10/PKG.	10.00	
RF15-100	1-1/2" PHENOLIC RING FORMS, 100/PKG.	70.00	
RFT-12	TEFLON 1.25" 8 RING FORM MOUNT BASE	198.00	
RFT-15	TEFLON 1.5" 8 RING FORM MOUNT BASE	198.00	
SC2	PLASTIC MIXING CUPS, 4 OZ., 25/PKG.	12.00	
SC4	PLASTIC MIXING CUPS, 4 OZ., 50/PKG.	18.00	
SMR	SILICON SPRAY MOLD RELEASE, 5 OZ.	16.00	
SRF-12	1-1/4 PHENOLIC FLAGE MOLD FOR STRUERS 12/PKG.	72.00	
SRT-12	TEFLON 1.25" FLAGE FORM MOUNT BASE	198.00	
SS-100	MIXING STICKS 100/PKG.	10.00	
SS-500	MIXING STICKS 500/PKG.	25.00	
METALLURGICAL SAMPLE MOUNTING CLIPS			
C-1000	MET CLIPS, METAL MOUNTING CLIPS, 1000/PKG.	156.00	
C-101	MET CLIPS, METAL MOUNTING CLIPS, 100/PKG.	28.00	
CCP-100	COLORLED PLASTIC MOUNTING CLIPS 100/PKG.	30.00	
CCP-1000	COLORLED PLASTIC MOUNTING CLIPS 100/PKG.	240.00	
MC-P	PLASTIC MOUNT CLIPS, 100/PKG	27.00	
MC-P1000	PLASTIC MOUNT CLIPS, 1000/PKG	156.00	
MET-X ACRYLIC & POLYESTER MOUNTING SYSTEMS			
ML-128	MET-X HARDENER, 1 GAL.	125.00	MSDS ML
ML-32	MET-X HARDENER, 1 QT.	32.00	MSDS ML
MP-25	MET-X MOUNTING POWDER, 25 LBS.	478.00	MSDS MP
MP-5	MET-X MOUNTING POWDER, 5 LBS.	108.00	MSDS MP
MP-50	MET-X MOUNTING POWDER, 50 LBS.	645.00	MSDS MP
MPK-2	MET-X MOUNTING KIT, 2.5LBS. POWDER & 1 QT. LIQUID	72.00	MSDS MP ML
MPK-25	MET-X MOUNTING KIT, 25LBS. POWDER & 10 QTS. LIQUID	616.00	MSDS MP ML
MPK-5	MET-X MOUNTING KIT, 5 LBS. POWDER & 2 QTS. LIQUID	129.00	MSDS MP ML
PMH	POLYESTER HARDENER 1/2 OZ, EA.	12.00	MSDS PMH
PMK-5	POLYESTER MOUNT KIT, W/ MOLDS & SUPPLIES	50.00	MSDS PMR PMH
PMR	POLYESTER RESIN, 1 QT, EA.	38.00	MSDS PMR



MARK V LABORATORY

COLORED & GLASS FILLED PHENOLIC MOUNTING POWDERS

Item	Description	Price	
BUT-5	BLACK FINA-MET POWDER, 5LBS.	66.00	MSDS UT
DPB-1	PHENOLIC GLASS FILL, COARSE, 5 LB.	64.00	MSDS UT
DPB-2	BLUE DIALLYL PHTHALATE MOUNTING POWDER, MEDIUM, 5LB:	90.00	MSDS UT
DPB-3	BLUE DIALLYL PHTHALATE MOUNTING POWDER, FINE, 5 LB.	90.00	MSDS UT
GFE-1	EPOXY MOUNTING POWDER, 4 LBS.	60.00	MSDS GFE
GFE-25	EPOXY MOUNTING POWDER, 25LBS.	298.00	MSDS GFE
MPB	BLACK PHENOLIC MOUNTING POWDER, 5 LBS.	22.00	MSDS PHENOLIC
MPB-25	BLACK PHENOLIC MOUNTING POWDER, 25 LBS.	88.00	MSDS PHENOLIC
MPBR	BROWN PHENOLIC MOUNTING POWDER, 5 LBS.	26.00	MSDS PHENOLIC
MPG	GREEN PHENOLIC MOUNTING POWDER, 5 LBS.	24.00	MSDS PHENOLIC
MPG-25	GREEN PHENOLIC MOUNTING POWDER, 25 LBS.	108.00	MSDS PHENOLIC
MPGB	GREEN & BROWN PHENOLIC MOUNTING POWDER, 5 LBS.	28.00	MSDS PHENOLIC
MPGB25	GREEN & BROWN PHENOLIC POWDER, 25 LBS	125.00	MSDS PHENOLIC
MPR	RED PHENOLIC MOUNTING POWDER, 5 LBS.	24.00	MSDS PHENOLIC
MPR-25	RED PHENOLIC MOUNTING POWDER, 25 LBS.	108.00	MSDS PHENOLIC
TR-1	TRANSOPTIC MOUNTING POWDER, 5LBS...	54.00	MSDS TR
TR-25	TRANSOPTIC MOUNTING POWDER, 25 LBS.	243.00	MSDS TR
UT-25	FINA-MET POWDER, 25 LBS	276.00	MSDS UT
UT-5	FINA-MET POWDER, 5 LBS.	62.00	MSDS UT
UT-50	FINA-MET POWDER, 50LBS.	572.00	MSDS UT



Fina-Met Powder, 5 LB.

Short Glass Filled Phenolic offers the Best Edge Retention and Grinding Properties of any thermoset powder.

Colored Phenolic & Transoptic Thermoset Powders are used in Mounting Press's for specimen sample mounting. Mounts are made at 150 degrees C at pressures between 3000-4200 psi. The different colors offer contrast to the parts being mounted when examined under a microscope. Transoptic Powder offers a Optically Clear Mold.

AUTOMATIC METALLURGICAL MOUNTING PRESS

Item	Description	Price
METPRESS-A	AUTOMATIC MOUNTING PRESS WITH MOLD	8,232.00

Automatic Mounting Press, fully automatic microprocessor controlled operation, touch pad front panel controls and digital display of heating time, molding temperature, cooling temperature, ram up/down, auto/manual cooling, cycle start/stop and a direct reading pressure gauge. Molding pressure up to 310 Bar, molding temperature up to 240°C, thermostatically controlled heating power of 1400 W, automatic cooling cycle and an audible signal for end of cycle. Last molding parameter settings retained in memory. Supplied with all necessary hoses, fittings, power cord and instruction manual, selectable mold sizes from 25 to 50mm. 220V



MARK V LABORATORY

METALLURGICAL GRINDER/POLISHER MACHINES

SINGLE & DUAL WHEEL MACHINES WITH & 2 SPEED & VARIABLE DRIVES

Item	Description	Price
56006	MECAPOL 2B2, 8" WHEEL, 2 SPEED (150+300 RPM)	2,292.00
56011	MECAPOL 2BVV, 8" WHEEL, VARIABLE (0-500 RPM) SPEED	3,055.00



Mecapol 2B2, 8" Wheel, 2 Spd., EA. Manufactured by Mark V Laboratory the Mecapol 2B Series Grinder/Polisher features rugged all steel construction, Stainless Steel Arbor Shaft with no-maintenance SKF Ball Bearing Assembly and Poly-V Belt Drive. Kydex Bowl and Drain are acid resistant. Flexible Coolant Hose and Ball Valve can direct water spray anywhere on the wheel. Two types of 8" Wheels are available, the one piece 56053 PVC Wheel with Taper or the two part Quick-Change Almag System. The System includes one 56051 Aluminum Wheel with Taper and Drive Pegs and 56053 PVC Flat Wheels with Drive Holes, this set-up is ideal for multiple step polishing. The machine comes complete with a 56053 Wheel, Splash Ring and GB-8 Grit-Grabber Double-Sided Adhesive Pads for Quick-Changing of Grinding Disc's. Options include 56054 Paper Holding Band, Almag System and 56055 Cover Lid. 110V/60 Hz. 220V/50Hz. available.

56021	MECAPOL 3B2, 8", 2 WHEEL, 2 SPEED	3,260.00
56027	MECAPOL 3BVV, 8", 2 WHEEL, VARI. SPEED	3,910.00



The Mecapol 3B2 Dual Wheel Grinder/Polisher features rugged all steel construction, Stainless Steel Arbor Shafts with no-maintenance SKF Ball Bearings and Poly-V Belt Drive. Kydex Bowl & Drain are acid resistant. Flexible Coolant Hoses with Ball Valves direct water spray. Two types of 8" Wheels are available, the one piece 56053 PVC Wheel with Taper or the two part Quick-Change Almag System. The System includes one 56051 Aluminum Wheel with Taper and Drive Pegs and 56052 PVC Flat Wheels with Drive Holes, this set-up is ideal for multiple step polishing. The machine comes with two 56053 Wheels, Splash Rings and GB-8 Grit-Grabber Double-Sided Pads for Quick-Changing of Grinding Disc's. Options include 55054 Paper Holding Bands, Almag System and 56055 Cover Lids. 110V 60Hz. 220V 50Hz. available.

56029	MECAPOL 6B2, 10", 2 WHEEL, 2 SPEED	3,920.00
56030	MECAPOL 6BVV, 8", 2 WHEEL, VARI. SPEED	4,692.00
56051	ALUMUMIN DRIVE PLATE F/ FLAT WHEELS, EA.	289.00
56052	PVC 8" FLAT WHEEL, EA.	126.00
56053	PVC 8" WHEEL W/TAPER, EA	202.00
56054	PAPER HOLDING RING F/ 8" WHEEL, EA.	40.00

MARK V LABORATORY

FLOOR MODEL GRINDER/POLISHER TABLES

SINGLE, DUAL & TRIPLE WHEEL MACHINES WITH & 2 SPEED & VARIABLE DRIVES

Item	Description	Price
MET-22	POLISHING TABLE, DUAL 8" WHEEL, 2 SPEED	6,450.00



MET-22 Grinder/Polisher Table with 2 Wheel, 2 Speed Motors. Manufactured by Mark V Lab the METPOL22 8" Dual Wheel Grinder/Polisher Table is built from a Two Door Steel Cabinet 48"Wx30"Dx36"H and Laminated Counter-top with Backsplash. Assembled with Heavy Duty Components such as Two 2 Speed 1/3 hp. Air-cooled GE Motors, Stainless Steel Arbor Shafts with no-maintenance SKF Ball Bearing Assemblies, Kydex acid resistant Bowls and Drain System, Flexible Coolant Hoses with Ball Valves and Poly-V Belt Drives with Wheel Speeds of 150 & 300rpm. The MET-22 comes complete with two 56053 8" PVC Wheels, GB-8 Grit Grabbers and Splash Rings. Options include Almag Quick-Change Wheel System, 56054 Paper Holding Bands and 56055 Cover Lids, MET-S10 & MET-P/O Sinks, MET-CHF Gooseneck Faucet and ME-EOS Ground Fault Outlets. 110V 60 Hz. 220V 50 Hz.

MET-25	POLISHING TABLE, DUAL 8" WHEEL, VARIABLE SPEED	7,683.00
MET-32	POLISHING TABLE, TRIPLE 8" WHEEL, 2 SPEED	9,580.00
MET-35	POLISHING TABLE, TRIPLE 8" WHEEL, VARIABLE SPEED	11,080.00
MET-CHF	HOT & COLD GOOSENECK LAB FAUCET	278.00
MET-EOS	ELECTRICAL OUTLET STRIP 110V	60.00
MET-P/O	ACID RESISTANT POLYPRO SINK 10" X 10" X 7.5"	380.00
MET-P/O 12	ACID RESISTANT POLYPRO SINK 12" X 12" X 7.5"	475.00
MET-S10	STAINLESS STEEL SINK 10" X 12"	295.00
MET-SID	SEDIMENT INTERCEPTOR TANK 5 GALLON	698.00
MET-TRP	ACID RESISTANT SINK TRAP W/BOWL	112.00

WHEELS AND ACCESSORIES FOR MARK V GRINDER/POLISHERS

56051	ALUMUMIN DRIVE PLATE F/ 56052 WHEEL, EA.	289.00
56052	PVC 8" FLAT WHEEL, EA. FOR 56051	126.00
56053	PVC 8" WHEEL W/TAPER, EA	202.00
56054	PAPER HOLDING RING F/ 8" WHEEL, EA.	40.00
56055	COVER LID FOR 2B/3B, EA.	58.00
56056	PVC 9" FLAT WHEEL, EA. FOR 56051	138.00
56057	PVC 10" FLAT WHEEL, EA. FOR 56051	152.00
GB-8	8" GRIT-GRABBER DISCS, 10/PKG.	33.00
GB-9	9" GRIT-GRABBER DISCS, 10/PKG.	37.00
GB-10	10" GRIT-GRABBER DISCS, 10/PKG.	40.00



MARK V LABORATORY

METALLURGICAL S/C GRINDING DISCS, SHEETS, STRIPS & ROLLS SILICON CARBIDE DISCS WITH PLAIN BACK IN 8" & 9" DIAMETERS



Item	Description	Price
D8N1000	8" 3M S/C DISCS, 1000G 100/PKG.	115.00
D8N120	8" S/C DISCS, 120G, 100/PKG.	82.00
D8N1200	8" 3M S/C DISCS, 1200G, 100/PKG.	115.00
D8N1500	8" 3M S/C DISCS, 1500G, 100/PKG.	115.00
D8N180	8" S/C DISCS, 180G, 100/PKG.	74.00
D8N2000	8" 3M S/C DISCS, 2000G, 100/PKG.	115.00
D8N240	8" S/C DISCS, 240G, 100/PKG.	71.00
D8N320	8" S/C DISCS, 320G, 100/PKG.	71.00
D8N400	8" S/C DISCS, 400G, 100/PKG.	71.00
D8N60	8" S/C DISCS, 60G, 100/PKG.	110.00
D8N600	8" S/C DISCS, 600G, 100/PKG.	71.00
D8N80	8" S/C DISCS, 80G, 100/PKG.	110.00
D8N-AS	8" S/C DISCS ASSORTED:120,240,400 & 600G, 25/ EA.	84.00
D8NAS/1000-2000	8" S/C DISCS ASSORTED:1000, 1200, 1500 & 2000G, 25/EA.	125.00
D9120	9" S/C DISCS, 120G, 100/PKG.	90.00
D9180	9" S/C DISCS, 180G, 100/PKG.	84.00
D9240	9" S/C DISCS, 240G, 100/PKG.	81.00
D9320	9" S/C DISCS, 320G, 100/PKG.	81.00
D9400	9" S/C DISCS, 400G, 100/PKG.	81.00
D9600	9" S/C DISCS, 600G, 100/PKG.	81.00
D980	9" S/C DISCS, 80G, 100/PKG.	117.00

SILICON CARBIDE DISCS WITH PLAIN BACK IN 8" X 1/2" & 12" X 1/2" DIAMETERS

Item	Description	Price
D85060	8" X 1/2" S/C DISCS, 60G, 100/PKG.	113.00
D85120	8" X 1/2" S/C DISCS, 120G, 100/PKG.	86.00
D85180	8" X 1/2" S/C DISCS, 180G, 100/PKG.	75.00
D85240	8" X 1/2" S/C DISCS, 240G, 100/PKG.	75.00
D85320	8" X 1/2" S/C DISCS, 320G, 100/PKG.	75.00
D85400	8" X 1/2" S/C DISCS, 400G, 100/PKG.	75.00
D85600	8" X 1/2" S/C DISCS, 600G, 100/PKG.	75.00
D125060	12"X 1/2" S/C DISCS, 60G, 100/PKG.	226.00
D125120	12" X 1/2" S/C DISCS, 120G, 100/PKG.	161.00
D125180	12" X 1/2" S/C DISCS, 180G, 100/PKG.	145.00
D125240	12" X 1/2" S/C DISCS, 240G, 100/PKG.	145.00
D125320	12" X 1/2" S/C DISCS, 320G, 100/PKG.	145.00
D125400	12" X 1/2" S/C DISCS, 400G, 100/PKG.	145.00
D125600	12" X 1/2" S/C DISCS, 600G, 100/PKG.	145.00

MARK V LABORATORY

SILICON CARBIDE DISCS WITH PLAIN BACK IN 10", 12" & 14" DIAMETERS

Item	Description	Price
D101000	10" 3M S/C DISCS, 1000G, 100/PKG.	179.00
D10120	10" S/C DISCS, 120G, 100/PKG.	103.00
D101200	10" 3M S/C DISCS, 1200G, 100/PKG.	179.00
D101500	10" 3M S/C DISCS, 1500G, 100/PKG.	179.00
D10180	10" S/C DISCS, 180G, 100/PKG.	82.00
D102000	10" 3M S/C DISCS, 2000G, 100/PKG.	179.00
D10240	10" S/C DISCS, 240G, 100/PKG.	82.00
D10320	10" S/C DISCS, 320G, 100/PKG.	82.00
D10400	10" S/C DISCS, 400G, 100/PKG.	82.00
D1060	10" S/C DISCS, 60G, 100/PKG..	128.00
D10600	10" S/C DISCS, 600G, 100/PKG.	82.00
D1080	10" S/C DISCS, 80G, 100/PKG.	123.00
D10-AS	10" S/C DISCS ASSORTED: 120,240,320 & 600 25/EA.	82.00
D10AS-50	10" S/C DISCS ASSORTED:120,240,400,600 & 1000G, 50/EA.	290.00
D121000	12" 3M S/C DISCS, 1000G, 100/PKG.	236.00
D12120	12" S/C DISCS, 120G, 100/PKG.	161.00
D121200	12" 3M S/C DISCS, 1200G, 100/PKG.	236.00
D121500	12" 3M S/C DISCS, 1500G, 100/PKG.	236.00
D12180	12" S/C DISCS, 180G, 100/PKG	149.00
D122000	12" 3M S/C DISCS, 2000G, 100/PKG.	236.00
D12240	12" S/C DISCS, 240G, 100/PKG.	145.00
D12320	12" S/C DISCS, 320G, 100/PKG.	145.00
D12400	12" S/C DISCS, 400G, 100/PKG.	145.00
D1260	12" S/C DISCS, 60G, 100/PKG.	226.00
D12600	12" S/C DISCS, 600G, 100/PKG.	145.00
D1280	12" S/C DISCS, 80G, 100/PKG.	189.00
D141000	14" 3M S/C DISCS, 1000G, 100/PKG.	312.00
D14120	14" 3M S/C DISCS, 120G, 100/PKG.	185.00
D141200	14" 3M S/C DISCS,1200G, 100/PKG	312.00
D141500	14" 3M S/C DISCS, 1500G, 100/PKG	312.00
D14180	14" S/C DISCS, 180G, 100/PKG.	178.00
D142000	14" 3M S/C DISCS, 2000G, 100/PKG	312.00
D14240	14" S/C DISCS, 240G, 100/PKG.	173.00
D14320	14" S/C DISCS, 320G, 100/PKG	173.00
D14400	14" S/C DISCS, 400G, 100/PKG.	173.00
D1460	14" S/C DISCS, 60G, 100/PKG	250.00
D14600	14" S/C DISCS, 600G, 100/PKG	173.00
D1480	14" S/C DISCS, 80G, 100/PKG.	250.00

SILICON CARBIDE DISCS WITH ADHESIVE BACK IN 8" DIAMETER

Item	Description	Price
AD8-12	8" PSA, S/C DISCS, 120G, 100/PKG.	140.00
AD8-18	8" PSA, S/A DISCS, 180G, 100/PKG.	118.00
AD8-24	8" PSA, S/C DISCS, 240G, 100/PKG.	118.00
AD8-32	8" PSA, S/C DISCS, 320G, 100/PKG.	118.00
AD8-40	8" PSA, S/C DISCS, 400G, 100/PKG.	118.00
AD8-6	8" PSA, S/C DISCS, 60G, 100/PKG.	175.00

MARK V LABORATORY

GRIT GRABBER DISCS WITH 2 SIDED ADHESIVE BACK IN 8", 9", 10", 12" & 14" GB DISCS & GBS SPRAY ALLOW MULTIPLE RELEASES OF PLAIN BACK GRINDING DISCS

Item	Description	Price
GB-10	10" GRIT-GRABBER DISCS, 10/PKG.	40.00
GB-12	12" GRIT-GRABBER DISCS, 10/PKG.	63.00
GB-8	8" GRIT-GRABBER DISCS, 10/PKG.	33.00
GB-9	9" GRIT-GRABBER DISCS, 10/PKG.	37.00
GBS-6	REMOUNTABLE DISC SPRAY ADHESIVE,..6 OZ CAN	19.00



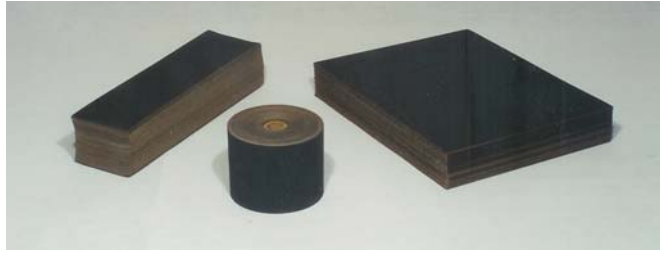
SILICON CARBIDE DISCS WITH ADHESIVE BACK IN 2 7/8", 12" & 14" DIAMETERS

Item	Description	Price
D2-18	2-7/8" S/C DISCS, PSA, 180G, 100/PKG.	28.00
D2-24	2-7/8" S/C DISCS, PSA, 240G, 100/PKG.	28.00
D2-32	2-7/8" S/C DISCS, PSA, 320G, 100/PKG.	28.00
D2-40	2-7/8" S/C DISCS, PSA, 400G, 100/PKG.	28.00
D2-60	2-7/8" S/C DISCS, PSA, 600G, 100/PKG.	28.00
D2-AS	2-7/8" S/C DISCS ASSORTED: 180,240,320,400 & 600G, 25 EA.	30.00
AD12120	12" PSA S/C DISCS, 120G, 100/PKG.	218.00
AD12180	12" PSA S/C DISCS, 180G, 100/PKG.	201.00
AD12240	12" PSA, S/C DISCS, 240G, 100/PKG.	201.00
AD12320	12" PSA, S/C DISCS, 320G, 100/PKG.	201.00
AD12400	12" PSA, S/C DISCS, 400G, 100/PKG.	201.00
AD1260	12" PSA, S/C DISCS, 60G, 100 PKG.	280.00
AD12600	12" PSA, S/C DISCS, 600G, 100/PKG.	201.00
AD1280	12" PSA, S/C DISCS, 80G, 100/PKG.	280.00
AD14-12	14" PSA, S/C DISCS, 120G, 100/PKG.	298.00
AD14-18	14" PSA, S/C DISCS, 180G, 100/PKG.	276.00
AD14-24	14" PSA, S/C DISCS, 240G, 100/PKG.	276.00
AD14-32	14" PSA, S/C DISCS, 320G, 100/PKG.	276.00
AD14-40	14" PSA, S/C DISCS, 400G, 100/PKG.	276.00
AD14-6	14" PSA, S/C DISCS, 60G, 100/PKG.	386.00
AD14-60	14" PSA, S/C DISCS, 600G, 100/PKG.	276.00

SILICON CARBIDE 3" X 11" STRIPS WITH ADHESIVE BACK

Item	Description	Price
AS3-12	3"X11" PSA, S/C STRIPS, 120G, 100/PKG.	50.00
AS3-24	3"X11" PSA, S/C STRIPS, 240G, 100/PKG.	50.00
AS3-32	3"X11" PSA, S/C STRIPS, 320G, 100/PKG.	50.00
AS3-40	3"X11" PSA, S/C STRIPS, 400G, 100/PKG.	50.00
AS3-60	3"X11" PSA. S/C STRIPS, 600G, 100/PKG.	50.00
AS3-AS	3"X11" ASSORTED STRIPS PSA: 240, 320, 400 & 600 GRITS	54.00

MARK V LABORATORY



9" X 11" PLAIN BACK SILICON CARBIDE SHEETS

Item	Description	Price
S9060	9" X 11" S/C SHEETS, 60G, 100/PKG.	123.00
S9120	9" X 11" S/C SHEETS, 120G, 100/PKG.	88.00
S9180	9" X 11" S/C SHEETS, 180G, 100.PKG.	77.00
S9240	9" X 11" S/C SHEETS, 240G, 100/PKG.	77.00
S9320	9" X 11" S/C SHEETS, 320G, 100/PKG.	77.00
S9400	9" X 11" S/C SHEETS, 400G, 100 PKG.	77.00
S9600	9" X 11" S/C SHEETS, 600G, 100/PKG	77.00
S980	9" X 11" S/C SHEETS, 80G, 100/PKG.	112.00

SILICON CARBIDE PLAIN BACK ROLLS IN 3" & 3 7/8" WIDTHS

Item	Description	Price
R3-12	3" X 75' S/C ROLL, 120G, EA.	46.00
R3-18	3" X 75' S/C ROLL, 180G, EA.	46.00
R3-24	3" X 75' S/C ROLL, 240G, EA.	46.00
R3-32	3" X 75' S/C ROLL, 320G, EA.	46.00
R3-40	3" X 75' S/C ROLL, 400G, EA.	46.00
R3-60	3" X 75' S/C ROLL, 600G, EA.	46.00
R37-24	3-7/16" X 75' S/C ROLL, 240G	45.00
R37-32	3-7/16" X 75' S/C ROLL, 320G	45.00
R37-40	3-7/16" X 75' S/C ROLL, 400G	45.00
R37-60	3-7/16" X 75' S/C ROLL, 600G	45.00

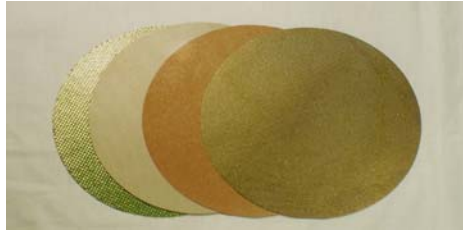
METALLURGICAL 4"X36" GRINDING BELTS IN S/C, A/O & ZIRCONIUM OXIDE

Item	Description	Price
AMB120G	4"X36" A/O BELTS, 120G, 10/PKG.	75.00
AMB180G	4"X36" A/O BELTS, 180G, 10/PKG.	75.00
AMB240G	4"X36" A/O BELTS, 240G, 10/PKG.	75.00
AMB320G	4"X36" A/O BELTS, 320G, 10/PKG.	75.00
AMB50G	4"X36" A/O BELTS, 50G, 10/PKG.	78.00
AMB80G	4"X36" A/O BELTS, 80G, 10/PKG.	75.00
MB120G	4" X 36" S/C BELTS, 120G, 10/PKG.	73.00
MB180G	4" X 36" S/C BELTS, 180G, 10/PKG.	73.00
MB240G	4" X 36" S/C BELTS, 240G, 10/PKG.	73.00
MB320G	4" X 36" S/C BELTS, 320G, 10/PKG.	73.00
MB400G	4" X 36" S/C BELTS, 400G, 10/PKG.	73.00
MB50G	4" X 36" S/C BELTS, 50G, 10/PKG.	81.00
MB600G	4" X 36" S/C BELTS, 600G, 10/PKG.	73.00
MB60G	4" X 36" S/C BELTS, 60G, 10/PKG.	81.00
MB80G	4" X 36" S/C BELTS, 80G, 10/PKG.	81.00
ZB120G	4" X 36" ZIRCONIA BELTS, 120G, 5/PKG.	65.00
ZB180G	4" X 36" ZIRCONIA BELTS, 180G, 5/PKG.	65.00
ZB60G	4" X 36" ZIRCONIA BELTS, 60G, 5/PKG.	65.00
ZB80G	4" X 36" ZIRCONIA BELTS, 80G, 5/PKG.	65.00



MARK V LABORATORY

FLEX METAL BONDED DIAMOND GRINDING DISCS
ADHESIVE BACKED IN 8" & 12" DIAMETERS FOR GRINDING TOUGH MATERIALS



Item	Description	Price
DFX10A-125	FLEX DIAMOND DISC 10" PSA, 125M	250.00
DFX12A-10	FLEX DIAMOND DISCS 12" PSA 10M	332.00
DFX12A-125	FLEX DIAMOND DISCS 12" PSA 125M	348.00
DFX12A-20	FLEX DIAMOND DISC 12" PSA 20M	332.00
DFX12A-250	FLEX DIAMOND DISC 12" PSA 250M	398.00
DFX12A-40	FLEX DIAMOND DISC 12" PSA 40M	332.00
DFX12A-74	FLEX DIAMOND DISC 12" PSA 74M	348.00
DFX8A-10	FLEX DIAMOND DISC 8" PSA 10M	189.00
DFX8A-125	FLEX DIAMOND DISC 8" PSA 125M	198.00
DFX8A-20	FLEX DIAMOND DISC 8" PSA 20M	189.00
DFX8A-250	FLEX DIAMOND DISC 8" PSA 250M	236.00
DFX8A-40	FLEX DIAMOND DISC 8" PSA 40M	189.00
DFX8A-74	FLEX DIAMOND DISC 8" PSA 74M	198.00

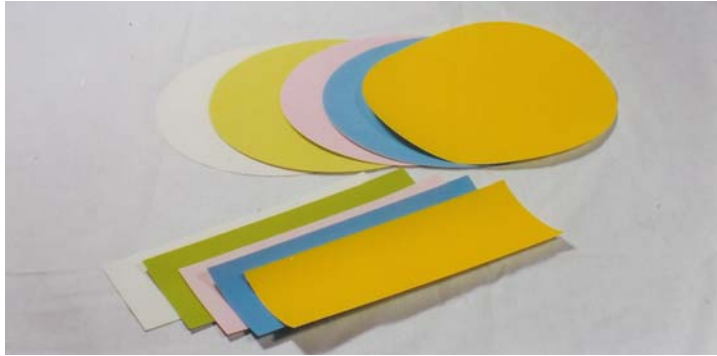
3M LAPPING FILM IN DISCS, SHEETS, STRIPS & ROLLS
ADHESIVE & PLAIN BACK FILMS IN ALUMINUM & SILICON OXIDES, & DIAMOND



Item	Description	Price
FA380.3-100	A/O FILM 3" X 8", 0.3M, 100/PKG.	38.00
FA381-100	A/O FILM 3" X 8", 1M, 100/PKG.	38.00
FA3812-100	A/O FILM 3" X 8", 12M, 100 PKG.	38.00
FA3830-100	A/O FILM 3" X 8", 30M, 100/PKG.	38.00
FA383-100	A/O FILM 3" X 8", 3M, 100/PKG.	38.00
FA3840-100	A/O FILM 3" X 8", 40M, 100/PKG.	38.00
FA389-100	A/O FILM 3" X 8", 9M, 100/PKG.	38.00
FA38A0.3-100	A/O FILM 3" X 8", PSA, 0.3M,100/PKG.	54.00
FA38A1-100	A/O FILM 3" X 8", PSA, 1M, 100/PKG.	54.00
FA38A12-100	A/O FILM 3" X 8", PSA, 12M, 100/PKG.	54.00
FA38A30-100	A/O FILM 3" X 8", PSA, 30M, 100/PKG.	54.00
FA38A3-100	A/O FILM 3" X 8", PSA, 3M, 100/PKG.	54.00
FA38A40-100	A/O FILM 3" X 8", PSA, 40M, 100/PKG.	54.00
FA38A9-100	A/O FILM 3" X 8", PSA, 9M 100/PKG....	54.00

MARK V LABORATORY

3M LAPPING FILM IN DISCS, SHEETS, STRIPS & ROLLS
ADHESIVE & PLAIN BACK FILMS IN ALUMINUM & SILICON OXIDES, & DIAMOND



Item	Description	Price
FA4A0.3-100	A/O FILM 4", PSA, 0.3M, 100/PKG.	54.00
FA4A1-100	A/O FILM 4", PSA, 1M, 100/PKG.	54.00
FA4A12-100	A/O FILM 4", PSA, 12M, 100 PKG.	54.00
FA4A30-100	A/O FILM 4", PSA, 30M, 100 PKG.	54.00
FA4A3-100	A/O FILM 4", PSA, 3M, 100/PKG.	54.00
FA4A40-100	A/O FILM 4", PSA, 40M, 100/PKG.	54.00
FA4A9-100	A/O FILM 4", PSA, 9M, 100 PKG.	54.00
FA80.3-100	A/O FILM 8" X NH, 0.3M, 100/PKG.	119.00
FA81-100	A/O FILM 8" X NH, 1M, 100/PKG.	119.00
FA812-100	A/O FILM 8" X NH, 12M, 100/PKG.	119.00
FA830-100	A/O FILM 8 "X NH, 30M, 100/PKG.	119.00
FA83-100	A/O FILM 8" X NH, 3M, 100/PKG.	119.00
FA840-100	A/O FILM 8" X NH, 40M, 100/PKG.	119.00
FA89-100	A/O FILM 8" X NH, 9M, 100/PKG.	119.00
FA8A0.3-100	A/O FILM 8", PSA, 0.3M, 100/PKG.	152.00
FA8A1-100	A/O FILM 8", PSA, 1 M, 100/PKG.	152.00
FA8A12-100	A/O FILM 8", PSA, 12M,100/PKG.	152.00
FA8A30-100	A/O FILM 8", PSA, 30M, 100/PKG.	152.00
FA8A3-100	A/O FILM 8", PSA, 3M, 100/PKG.	152.00
FA8A40-100	A/O FILM 8", PSA, 40M, 100/PKG.	152.00
FA8A9-100	A/O FILM 8", PSA, 9M, 100/PKG.	152.00
FA9110.3-100	A/O FILM 9" X 11", 0.3M, 100/PKG.	148.00
FA9111-100	A/O FILM 9" X 11", 1M, 100/PKG.	148.00
FA91112-100	A/O FILM 9" X 11", 12M, 100/PKG.	148.00
FA91130-100	A/O FILM 9" X 11", 30M, 100/PKG.	148.00
FA9113-100	A/O FILM 9" X 11", 3M, 100/PKG.	148.00
FA91140-100	A/O FILM 9" X 11", 40M, 100/PKG.	148.00
FA9119-100	A/O FILM 9" X 11", 9M, 100/PKG.	148.00
FD360.5-10	DIAMOND FILM 3" X 6", 0.5M, 10/PKG.	92.00
FD361-10	DIAMOND FILM 3" X 6", 1M, 10/PKG.	92.00
FD363-10	DIAMOND FILM 3" X 6", 3M, 10/PKG.	92.00
FD366-10	DIAMOND FILM 3" X 6", 6M, 10/PKG.	92.00
FD369-10	DIAMOND FILM 3" X 6", 9M, 10/PKG.	92.00
FD660.5-5	DIAMOND FILM 6"X 6", 0.5M 5/PKG.	92.00
FD661-5	DIAMOND FILM 6" X 6", 1M, 5/PKG.	92.00
FD663-5	DIAMOND FILM 6" X 6", 3M, 5/PKG.	92.00
FD666-5	DIAMOND FILM 6" X 6", 6M, 5/PKG.	92.00
FD669-5	DIAMOND FILM 6" X 6", 9M, 5/PKG.	92.00

MARK V LABORATORY

ALUMINA & ALUMINUM OXIDE POLISHING & GRINDING COMPOUNDS AVAILABLE IN SLURRIES & POWDERS

MSDS

Item	Description	Price	
AS05	ALUMINA SUSPENSION, .05 MICRON, 6 OZ.	18.00	AS
AS05-128	ALUMINA SUSPENSION, .05 MICRON, 1 GAL.	264.00	AS
AS05-32	ALUMINA SUSPENSION, .05 MICRON, 32 OZ.	80.00	AS
AS1	ALUMINA SUSPENSION, 1 MICRON, 6 OZ.	18.00	AS
AS1-128	ALUMINA SUSPENSION, 1 MICRON, 1 GAL.	264.00	AS
AS1-32	ALUMINA SUSPENSION, 1 MICRON, 32 OZ.	80.00	AS
AS3	ALUMINA SUSPENSION, 0.3 MICRON, 6 OZ.	18.00	AS
AS3-128	ALUMINA SUSPENSION, 0.3 MICRON, 1 GAL.	264.00	AS
AS3-32	ALUMINA SUSPENSION, 0.3 MICRON, 32 OZ.	80.00	AS
AS5	ALUMINA SUSPENSION, 5 MICRON, 6 OZ.	18.00	AS
AS5-128	ALUMINA SUSPENSION, 5 MICRON, 1 GAL.	264.00	AS
AS5-32	ALUMINA SUSPENSION, 5 MICRON, 32 OZ.	80.00	AS



Item	Description	Price	
AP11	ALUMINA POWDER, 1 MICRON, 1 LB.	58.00	AP
AP15	ALUMINA POWDER, 1 MICRON, 5 LBS.	264.00	AP
AP31	ALPHA ALUMINA POWDER, 0.3 MICRON, 1 LB.	58.00	AP
AP35	ALPHA ALUMINA POWDER, 0.3 MICRON, 5 LBS.	264.00	AP
AP51	GAMMA ALUMINA POWDER, .05M, 1 LB.	58.00	AP
AP55	GAMMA ALUMINA POWDER, .05M, 5 LBS.	264.00	AP

Item	Description	Price	
AOP12-1	A/O POWDER, 12 MICRON, 1 LB.	24.00	AOP
AOP12-5	A/O POWDER, 12 MICRON, 5 LBS.	60.00	AOP
AOP15-1	A/O POWDER, 15 MICRON, 1 LB.	20.00	AOP
AOP15-5	A/O POWDER, 15 MICRON, 5 LBS.	50.00	AOP
AOP17-1	A/O POWDER, 17 MICRON, 1 LB.	20.00	AOP
AOP17-5	A/O POWDER, 17 MICRON, 5 LBS.	50.00	AOP
AOP20-1	A/O POWDER, 20 MICRON, 1 LB.	20.00	AOP
AOP20-5	A/O POWDER, 20 MICRON, 5 LBS.	50.00	AOP
AOP22-1	A/O POWDER, 22 MICRON, 1 LB.	20.00	AOP
AOP22-5	A/O POWDER, 22 MICRON, 5 LBS.	50.00	AOP
AOP240-1	A/O POWDER, 240G, 1 LB.	20.00	AOP
AOP240-5	A/O POWDER, 240G, 5 LBS.	50.00	AOP
AOP25-1	A/O POWDER, 25 MICRON, 1 LB.	20.00	AOP
AOP25-5	A/O POWDER, 25 MICRON, 5 LBS.	50.00	AOP
AOP3-1	A/O POWDER, 3 MICRON, 1 LB.	24.00	AOP
AOP320-1	A/O POWDER, 320G, 1 LB.	20.00	AOP
AOP320-5	A/O POWDER, 320G, 5 LBS.	50.00	AOP
AOP3-5	A/O POWDER, 3 MICRON, 5 LBS.	60.00	AOP
AOP400-1	A/O POWDER, 400G, 1 LB.	20.00	AOP
AOP400-5	A/O POWDER, 400G, 5 LBS.	50.00	AOP
AOP5-1	A/O POWDER, 5 MICRON, 1 LB.	24.00	AOP
AOP5-5	A/O POWDER, 5 MICRON, 5 LBS.	60.00	AOP
AOP600-1	A/O POWDER, 600G, 1 LB.	20.00	AOP
AOP600-5	A/O POWDER, 600G, 5 LBS.	50.00	AOP
AOP9-1	A/O POWDER, 9 MICRON, 1 LB.	24.00	AOP
AOP9-5	A/O POWDER, 9 MICRON, 5 LBS.	60.00	AOP



MARK V LABORATORY

SILICON CARBIDE GRINDING POWDERS

Item	Description	Price	MSDS
SCP120-1	S/C POWDER, 120G, 1 LB.		SCP
SCP120-5	S/C POWDER, 120G, 5 LBS.		SCP
SCP240-1	S/C POWDER, 240G, 1 LB.		SCP
SCP240-5	S/C POWDER, 240G, 5 LBS.		SCP
SCP320-1	S/C POWDER, 320G, 1 LB.		SCP
SCP320-5	S/C POWDER, 320G, 5 LBS.		SCP
SCP400-1	S/C POWDER, 400G, 1 LB.		SCP
SCP400-5	S/C POWDER, 400G, 5 LBS.		SCP
SCP600-1	S/C POWDER, 600G, 1 LB.		SCP
SCP600-5	S/C POWDER, 600G, 5 LBS.		SCP
SCP800-1	S/C POWDER, 800G, 1LB.		SCP
SCP800-5	S/C POWDER, 800G, 5 LBS.		SCP



METALLURGICAL GRADE DIAMOND POLISHING COMPOUNDS AVAILABLE IN WATER BASE PASTES, SPRAYS & SLURRIES

Item	Description	Price	MSDS
5 GRAM SYRINGE			
DPW025	MET-XW DIAMOND PASTE, (W. BASE), 025M, 5G.	29.00	DPW
DPW1	MET-XW DIAMOND PASTE, (W. BASE), 1M, 5G.	29.00	DPW
DPW15	MET-XW DIAMOND PASTE, (W. BASE), 15M, 5G.	76.00	DPW
DPW3	MET-XW DIAMOND PASTE, (W. BASE), 3M, 5G.	56.00	DPW
DPW30	MET-XW DIAMOND PASTE, (W. BASE), 30M, 5G.	76.00	DPW
DPW45	MET-XW DIAMOND PASTE, (W. BASE), 45M, 5G.	76.00	DPW
DPW6	MET-XW DIAMOND PASTE, (W. BASE), 6M, 5G.	48.00	DPW
DPW9	MET-XW DIAMOND PASTE, (W. BASE), 9M, 5G.	61.00	DPW



20 GRAM SYRINGE			
DPW2-025	MET-XW DIAMOND PASTE, (W. BASE), 025M, 20G.	98.00	DPW
DPW2-1	MET-XW DIAMOND PASTE, (W. BASE), 1M, 20G.	98.00	DPW
DPW2-15	MET-XW DIAMOND PASTE, (W. BASE), 15M, 20G.	224.00	DPW
DPW2-3	MET-XW DIAMOND PASTE, (W. BASE), 3M, 20G.	201.00	DPW
DPW2-30	MET-XW DIAMOND PASTE, (W. BASE), 30M, 20G.	224.00	DPW
DPW2-45	MET-XW DIAMOND PASTE, (W. BASE), 45M, 20G.	224.00	DPW
DPW2-6	MET-XW DIAMOND PASTE, (W. BASE), 6M, 20G.	182.00	DPW
DPW2-9	MET-XW DIAMOND PASTE, (W. BASE), 9M, 20G.	224.00	DPW



Item	Description	Price	
DIAMOND PASTE EXTENDER (WATER)			
MF-128	MECA-DIA DIAMOND EXTENDER FLUID, (W. BASE), 1 GAL.	85.00	MF
MF-16	MECA-DIA DIAMOND EXTENDER FLUID, (W. BASE) 16 OZ.	16.00	MF
MF-32	MECA-DIA DIAMOND EXTENDER FLUID, (W. BASE), 1 QT.	25.00	MF

Item	Description	Price	
DIAMIX PUMP SPRAY (W. BASE)			
DWP025	DIAMIX PUMP SPRAY (W. BASE), 0.25M	46.00	DW
DWP05	DIAMIX PUMP SPRAY (W. BASE), 0.5M	46.00	DW
DWP1	DIAMIX PUMP SPRAY (W. BASE), 1M	46.00	DW
DWP15	DIAMIX PUMP SPRAY (W. BASE), 15M	52.00	DW
DWP3	DIAMIX PUMP SPRAY (W. BASE), 3M	46.00	DW
DWP30	DIAMIX PUMP SPRAY (W. BASE), 30M	52.00	DW
DWP45	DIAMIX PUMP SPRAY (W. BASE), 45M	52.00	DW
DWP6	DIAMIX PUMP SPRAY (W. BASE), 6M	46.00	DW
DWP9	DIAMIX PUMP SPRAY (W. BASE), 9M	46.00	DW



MARK V LABORATORY

METALLURGICAL GRADE WATER BASE DIAMOND SLURRY

Item	Description	Price	MSDS
DWS0.25	DIAMOND SLURRY (W. BASE), 0.25M, 1 PT.	84.00	DW
DWS0.25-128	DIAMOND SLURRY (W. BASE), 0.25M, 1 GAL.	414.00	DW
DWS0.5	DIAMOND SLURRY (W. BASE), 0.5M, 1 PT.	84.00	DW
DWS0.5-128	DIAMOND SLURRY (W. BASE), 0.5M, 1 GAL.	414.00	DW
DWS1	DIAMOND SLURRY (W. BASE), 1M, 1PT.	62.00	DW
DWS1-128	DIAMOND SLURRY (W. BASE), 1M, 1 GAL.	323.00	DW
DWS15	DIAMOND SLURRY (W. BASE), 15M, 1PT.	131.00	DW
DWS15-128	DIAMOND SLURRY (W. BASE), 15M, 1GAL.	449.00	DW
DWS3	DIAMOND SLURRY (W. BASE), 3M, 1PT.	84.00	DW
DWS3-128	DIAMOND SLURRY (W. BASE), 3M, 1 GAL.	414.00	DW
DWS30	DIAMOND SLURRY (W. BASE), 30M, 1 PT.	131.00	DW
DWS30-128	DIAMOND SLURRY (W. BASE), 3M, 1GAL.	449.00	DW
DWS6	DIAMOND SLURRY (W. BASE), 6M, 1PT.	107.00	DW
DWS6-128	DIAMOND SLURRY (W. BASE), 6M, 1GAL.	449.00	DW
DWS9	DIAMOND SLURRY (W. BASE), 9M, 1PT.	131.00	DW
DWS9-128	DIAMOND SLURRY (W. BASE), 9M, 1 GAL.	449.00	DW
Item	Description	Price	
DIAMOND SLURRY EXTENDER (WATER BASE)			
MF-128	MECA-DIA DIAMOND EXTENDER FLUID,(W.BASE), 1 GAL.	85.00	MF
MF-16	MECA-DIA DIAMOND EXTENDER FLUID,(W. BASE) 16 OZ.	16.00	MF
MF-32	MECA-DIA DIAMOND EXTENDER FLUID,(W.BASE), 1 QT.	25.00	MF



METALLURGICAL GRADE DIAMOND POLISHING COMPOUNDS AVAILABLE IN OIL BASE PASTES, SPRAYS & SLURRIES

Item	Description	Price	MSDS
5 GRAM SYRINGE			
DPN025	MET-X II DIAMOND PASTE, 1/4M, 5G.(OIL BASE)	29.00	DPO
DPN1	MET-X II, DIAMOND PASTE, 1M, 5G.(OIL BASE)	29.00	DPO
DPN15	MET-X II, DIAMOND PASTE, 15M, 5G.(OIL BASE)	76.00	DPO
DPN3	MET-X II, DIAMOND PASTE, 3M, 5G.(OIL BASE)	56.00	DPO
DPN30	MET-X II, DIAMOND PASTE, 30M, 5 G.(OIL BASE)	76.00	DPO
DPN45	MET-X II, DIAMOND PASTE, 45M, 5G.(OIL BASE)	76.00	DPO
DPN6	MET-X II, DIAMOND PASTE, 6M, 5G.(OIL BASE)	48.00	DPO
DPN9	MET-X II, DIAMOND PASTE, 9M, 5G.(OIL BASE)	61.00	DPO
20 GRAM SYRINGE			
DPN2-025	MET-X II, DIAMOND PASTE, 1/4M, 20G.(OIL BASE)	98.00	DPO
DPN2-1	MET-X II, DIAMOND PASTE, 1M, 20G.(OIL BASE)	71.00	DPO
DPN2-15	MET-X II, DIAMOND PASTE, 15M, 20G.(OIL BASE)	224.00	DPO
DPN2-3	MET-X II, DIAMOND PASTE, 3M, 20G.(OIL BASE)	201.00	DPO
DPN2-30	MET-X II, DIAMOND PASTE, 30M, 20G.(OIL BASE)	193.00	DPO
DPN2-45	MET-X II, DIAMOND PASTE, 45M, 20G.(OIL BASE)	193.00	DPO
DPN2-6	MET-X II, DIAMOND PASTE, 6M, 20G.(OIL BASE)	182.00	DPO
DPN2-9	MET-X II, DIAMOND PASTE, 9M, 20G.(OIL BASE)	224.00	DPO
Item	Description	Price	
DIAMOND PASTE EXTENDER (OIL BASE)			
DPT-128	DIAMOND PASTE EXTENDER, 1 GAL.(OIL BASE)	85.00	DPT
DPT-16	DIAMOND PASTE EXTENDER, 16 OZ.(OIL BASE)..	16.00	DPT
DPT-32	DIAMOND PASTE EXTENDER, 32 OZ.(OIL BASE)	25.00	DPT



MARK V LABORATORY

METALLURGICAL GRADE OIL BASE DIAMOND SPRAYS & SLURRIES

Item	Description	Price
DAP-025	DIAMIX PUMP SPRAY (OIL. BASE), 0.25M	46.00 DPO
DAP-05	DIAMIX PUMP SPRAY (OILBASE), 0.5M	46.00 DPO
DAP-1	DIAMIX PUMP SPRAY (OIL BASE), 1M	46.00 DPO
DAP-15	DIAMIX PUMP SPRAY (OIL BASE), 15M	52.00 DPO
DAP-3	DIAMIX PUMP SPRAY (OIL BASE), 3M	46.00 DPO
DAP-30	DIAMIX PUMP SPRAY (OIL BASE), 30M	52.00 DPO
DAP-45	DIAMIX PUMP SPRAY (OIL BASE), 45M	52.00 DPO
DAP-6	DIAMIX PUMP SPRAY (OIL BASE), 6M	46.00 DPO
DAP-9	DIAMIX PUMP SPRAY (OIL BASE), 9M	46.00 DPO



Item	Description	Price
DS05	DIAMOND SLURRY (OIL BASE), 0.5M, 1PT.	84.00 DPO
DS1	DIAMOND SLURRY (OIL BASE), 1M, 1 PT.	75.00 DPO
DS15	DIAMOND SLURRY (OIL BASE), 15M, 1PT.	131.00 DPO
DS3	DIAMOND SLURRY (OIL BASE), 3M, 1PT.	84.00 DPO
DS30	DIAMOND SLURRY (OIL BASE), 30M, 1PT.	131.00 DPO
DS6	DIAMOND SLURRY (OIL BASE), 6M, 1PT.	107.00 DPO
DS9	DIAMOND SLURRY (OIL BASE), 9M, 1PT.	131.00 DPO



DIAMOND SLURRY EXTENDER (OIL BASE)

Item	Description	Price
DPT-128	DIAMOND PASTE EXTENDER, 1 GAL.(OIL BASE)	85.00 DPT
DPT-16	DIAMOND PASTE EXTENDER, 16 OZ.(OIL BASE)..	16.00 DPT
DPT-32	DIAMOND PASTE EXTENDER, 32 OZ.(OIL BASE)	25.00 DPT

METALLURGICAL COLLOIDAL SILICA POLISHING SUSPENSIONS

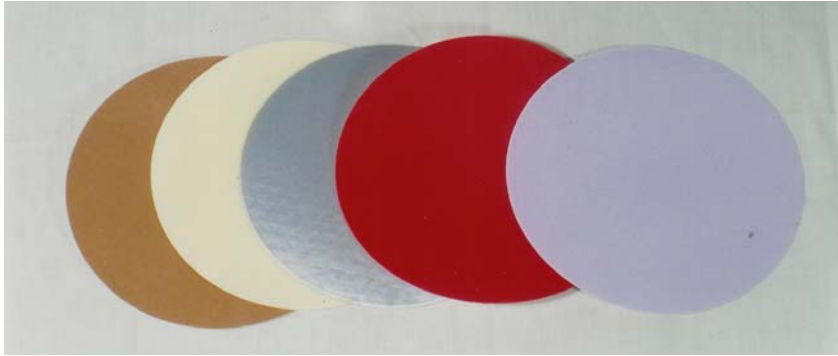
Item	Description	Price
C06-128	COLLOIDAL SILICA SUSPENSION, .06M, 1 GAL.	CO
C06-32	COLLOIDAL SILICA SUSPENSION, .06M, 1 QT.	CO



MARK V LABORATORY

METALLURGICAL POLISHING CLOTHS WITH PSA & PLAIN BACKING

AVAILABLE IN 2 7/8", 8", 9", 10", 12" & 14" DIAMETERS



Item	Description	Price		
STANDARD POLISHING CLOTHS				
MC10	ALPHA A CLOTH, F/10" WHEEL, 10/PKG.	44.00	Our most popular final polish cloth used with Diamond or Alumina for most materials. Alpha A also known as microcloth has a short nap and is brown in color. Available in PSA or plain back.	
MC10A	ALPHA A CLOTH, 10" PSA, 10/PKG.	52.00		
MC12	ALPHA A CLOTH, F/12" WHEEL, 10/PKG.	59.00		
MC12A	ALPHA A CLOTH, 12" PSA, 10/PKG.	59.00		
MC14A	ALPHA A CLOTH, 14" PSA, 10/PKG.	64.00		
MC2A	ALPHA A CLOTH, 2 7/8" PSA, 20/PKG.	26.00		
MC8	ALPHA A CLOTH, F/8" WHEEL, 10/PKG.	38.00		
MC82A	ALPHA A CLOTH, 8" X 2.5" PSA, 10/PKG.	40.00		
MC8A	ALPHA A CLOTH, 8" PSA, 10/PKG.	40.00		
MC9A	ALPHA A CLOTH, 9" PSA 10/PKG.	44.00		
NC10	NYLON CLOTH, F/10" WHEEL, 10/PKG.	46.00	Nylon final polish cloth used with Diamond or Alumina for polishing most materials while maintaining flatness. This napless cloth is off white in color. Available in PSA or plain back.	
NC12	NYLON CLOTH, F/12" WHEEL, 10/PKG.	59.00		
NC12A	NYLON CLOTH, 12" PSA, 10/PKG.	70.00		
NC14A	NYLON CLOTH, 14" PSA, 10/PKG.	105.00		
NC2A	NYLON CLOTH, 2 7/8" PSA, 20/PKG.	25.00		
NC8	NYLON CLOTH, F/ 8" WHEEL, 10/PKG.	36.00		
NC82A	NYLON CLOTH, 8 X 2 1/2" PSA, 10/PKG.	40.00		
NC8A	NYLON CLOTH, 8" PSA, 10/PKG.	40.00		
SA10A	SATIN CLOTH 10" PSA, 10/PKG.	56.00		Satin final polish cloth used with Diamond or Alumina for polishing most materials while maintaining flatness. This PSA napless cloth is white in color.
SA12A	SATIN CLOTH 12" PSA, 10/PKG.	68.00		
SA14A	SATIN CLOTH 14" PSA, 10/PKG.	98.00		
SA8A	SATIN CLOTH 8" PSA, 10/PKG.	45.00		
SC10	SILK CLOTH, F/10" WHEEL, 10/PKG.	70.00		
SC10A	SILK CLOTH 10" PSA, 10/PKG.	70.00		
SC12	SILK CLOTH, F/12" WHEEL, 10/PKG.	86.00		
SC12A	SILK CLOTH 12" PSA, 10/PKG.	86.00		
SC14A	SILK CLOTH 14" PSA, 10/PKG.	102.00		
SC8	SILK CLOTH, F/8" WHEEL, 10/PKG.	52.00	Silk final polish cloth used with Diamond or Alumina for while maintaining flatness This napless cloth is white in color.	
SC8A	SILK CLOTH 8" PSA, 10/PKG.	52.00		
TC10	MET-X CLOTH, 10" PSA, 10/PKG.	63.00		Met-X Cloth is a napless cloth used with Diamond as a first polish cloth on a variety of materials. Also known as Pan cloth this most common of first polish cloths has a parchment appearance
TC12	MET-X CLOTH, 12" PSA, 10/PKG.	86.00		
TC14	MET-X CLOTH, 14" PSA, 10/PKG.	102.00		
TC2	MET-X CLOTH, 2 7/8" PSA, 20/PKG.	30.00		
TC8	MET-X CLOTH, 8" PSA, 10/PKG.	42.00		
TC82	MET-X CLOTH, 8" X 2-1/2" PSA, 10/PKG.	42.00		
TC9	MET-X CLOTH, 9" PSA, 10/PKG.	50.00		

MARK V LABORATORY

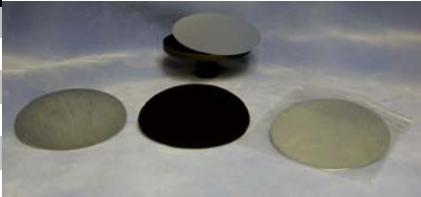
METALLURGICAL POLISHING CLOTHS WITH PSA & PLAIN BACKING

AVAILABLE IN 8", 9", 10", 12" & 14" DIAMETERS

Item	Description	Price	
SPECIALTY POLISHING CLOTHS			
ABC-12A	ALPHA SB (SOFT) CLOTH 12", PSA, 10/PKG.	62.00	Final polish blue color medium nap cloth used with Diamond or Alumina for soft materials.
ABC-14A	ALPHA SB (SOFT) CLOTH, 14", PSA, 10/PKG.	80.00	
ABC-8A	ALPHA B CLOTH, 8", PSA 10/PKG.	40.00	First polish green wool cloth used with Alumina & Aluminum Oxide slurries for ferrous materials.
BC10	GREEN BILLIARD CLOTH, F/10"WHL.,10/PKG.	58.00	
BC12	GREEN BILLIARD CLOTH, F/12"WHL.,10/PKG.	84.00	Coarse polishing tan canvas cloth used with Aluminum Oxide & Silicon Carbide slurries.
BC8	GREEN BILLIARD CLOTH, F/8"WHL.,10/PKG.	46.00	
CC10	CANVAS CLOTH, F/10" WHL.,10/PKG.	28.00	Final polish low nap tan wool cloth used with Alumina.
CC12	CANVAS CLOTH, F/12" WHL.,10/PKG.	36.00	
CC8	CANVAS CLOTH, F/8" WHL.,10/PKG.	23.00	Final polish white color low nap cloth used with Diamond or Alumina for soft materials.
KC12	BROADCLOTH, F/12" WHEEL, 10/PKG.	98.00	
KC8	BROADCLOTH, F/8" WHEEL, 10/PKG.	66.00	Final polish low nap tan cotton cloth used with Diamond, Alumina and oxide for soft materials.
MCR10A	MICRO RAYON WHITE CLOTH, 10" PSA, 10/PKG.	52.00	
MCR12A	MICRO RAYON WHITE CLOTH, 12" PSA, 10/PKG.	59.00	Low nap medium grade cloth has black suede appearance, with heavy body & polymer inner coat for chemical polishing.
MCR8A	MICRO RAYON WHITE CLOTH, 8" PSA, 10/PKG.	40.00	
MCR9A	MICRO RAYON WHITE CLOTH, 9" PSA, 10/PKG.	44.00	Low nap highest grade cloth has black suede appearance, with heavy body & polymer inner coat for chemical polishing.
MEC10	COTTON CLOTH, F/10"WHEEL, 10/PKG.	50.00	
MEC12	COTTON CLOTH, F/12"WHEEL, 10/PKG.	68.00	First polish red felt wool cloth used with Alumina & Aluminum Oxide slurries for ferrous materials.
MEC8	COTTON CLOTH, F/8" WHEEL, 10/PKG.	38.00	
MT10A	MASTERCHEM CLOTH 10" PSA, 10/PKG.	128.00	Final polish medium nap black velvet cloth used with Alumina for soft materials.
MT12A	MASTERCHEM CLOTH 12" PSA, 10/PKG.	148.00	
MT14A	MASTERCHEM CLOTH 14" PSA, 10/PKG.	198.00	
MT8A	MASTERCHEM CLOTH 8" PSA, 10/PKG.	98.00	
MTP10A	10" PSA POLYTECH SUPREME CHEM CLOTH, 10/PKG.	225.00	
MTP12A	12" PSA POLYTECH SUPREME CHEM CLOTH, 10/PKG.	294.00	
MTP14A	14" PSA POLYTECH SUPREME CHEM CLOTH, 10/PKG.	398.00	
MTP8A	8" PSA POLYTECH SUPREME CHEM CLOTH, 10/PKG.	148.00	
RC10	RED FELT CLOTH, F/10"WHEEL, 10/PKG.	140.00	
RC12	RED FELT CLOTH, F/12"WHEEL, 10/PKG.	201.00	
RC8	RED FELT CLOTH, F/8"W, 10/PKG.	99.00	
RC8A	RED FELT CLOTH, 8" PSA, 10/PKG.	99.00	
VC10	RAY/VEL CLOTH, F/10"WHEEL, 10/PKG.	82.00	
VC12	RAY/VEL CLOTH, F/12"WHEEL, 10/PKG.	109.00	
VC8	RAY/VEL CLOTH, F/8"WHEEL, 10/PKG.	58.00	

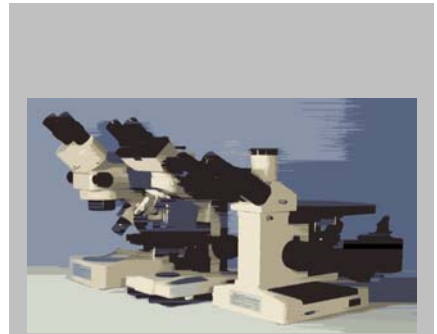
QUICK-CHANGE 2 PART WHEEL SYSTEM FOR PSA POLISHING CLOTHS

MAGNA DISC SYSTEM USES A MAGNETIZED RUBBER DISC & 2 PLATED STEEL DISCS FOR QUICK CHANGE POLISHING SYSTEM

Item	Description	Price	
MAG-1	8" MAGNA DISK SYSTEM: 1 MAGNETIC DISC & 2 METAL DISCS	98.00	
MAG-10	10" MAGNA DISK SYSTEM: 1 MAGNETIC DISC & 2 METAL DISCS	128.00	
MAG-12	12" MAGNA DISK SYSTEM: 1 MAGNETIC DISC & 2 METAL DISCS	158.00	
MAG-13	10" METAL DISCS, 2 EA.	38.00	
MAG-2	8" MAGNETIC DISK, EA.	73.00	
MAG-20	10" MAGNETIC DISK, EA.	96.00	
MAG-22	12" MAGNETIC DISK, EA.	117.00	
MAG-23	12" METAL DISK, 2/PKG.	42.00	
MAG-3	8" METAL DISK, 2/PKG.	28.00	

MARK V LABORATORY

MARK V LABORATORY METALLURGICAL MICROSCOPES INVERTED BRIGHTFIELD, POLARIZING UPRIGHT & STEREO SCOPES



Item	Description	Price
MXLT	INVERTED TRINOCULAR MICROSCOPE	4,242.00
<p>The MXLT Precision Inverted Brightfield Trinocular Microscope Features, Excellent Optics, Ergonomic Controls, 6"x7" Coaxial Mechanical Stage, Kohler Quartz Halogen illumination with a compact space saving design. The MXLT comes complete with 10X Widefield Eyepieces, 5X, 10X, 20X & 40X Achromatic Objectives, Color Filtration Pack, Stage Clip and Dust Cover. This Microscope Makes an ideal optical platform for Digital and other Camera Systems. Options 50X & 100X Plan Achromatic Objectives. 110V/ 220V Bulb # 64250 6V 20W</p>		
MXT	UPRIGHT BRIGHTFIELD/ POLARIZING MICROSCOPE, 110V	3,250.00
<p>The MXT Precision Upright Brightfield Trinocular Microscope Features, Polarizing Optics, Ergonomic Controls, Large X-Y Coaxial Stage, Kohler Quartz Halogen Illumination with compact space saving design. The MXT comes complete with 10X Widefield Eyepieces, 5X, 10X, 20X & 40X Achromatic Objectives, Color Filtration Pack, Metal Microscope Slides and Dust Cover. This Microscope makes an ideal optical platform for Digital and other Camera Systems. Options 50X & 100X Plan Achromatic Objectives. 110V/ 220V Bulb # 64250 6V 20W</p>		
MZ414T	TRINOCULAR STEREO ZOOM SCOPE 10-40X W/ ILLUMINATION	1,250.00
<p>The MZ414T Trinocular Zoom Stereo Microscope comes complete with 10X Widefield Eyepieces with 10 - 40X as standard power. The microscopes features adjustable Post Style Stands with built-in Reflected and Transmitted Quartz Halogen Illuminators. This Microscope makes an ideal optical platform for Digital and other Camera Systems. Options include Post Extensions and Ring Light Illuminators. 110V/ 220V</p>		
MEQX5	PC MICROSCOPE W/10X,60X & 200X & IMAGE SOFTWARE	698.00
<p>The ME-QX5 has 3 Magnifications of 10X, 60X and 200X. Go from Macro to Micro with the turret-mounted objectives. The unit plugs right into the USB Port of most Lap-tops and Desktop PC's. Just load the software, plug in the unit and go! Capture and Display Live Images that can be saved as BMP's JPEG's, AVI's & Time Lapse Video Recording. The MEQX5 offers unique image tools in Paint with ability to zoom in on areas of interest and manipulate the image in a variety of ways. The Microscope comes with a heavy duty Rack and Pinion Post Style Stand that allows Focusing through 1/2"-4" Working Distance. Built-in Reflected Illuminator has variable intensity powered by the USB Port. Options Include a Tripod Stand for Field Work and a X -Y Mechanical Stage. Works with Windows 98SE-XP.</p>		
MEQX5T	PC SCOPE W/ TRANSMITTED LIGHT STAND & SOFTWARE	798.00



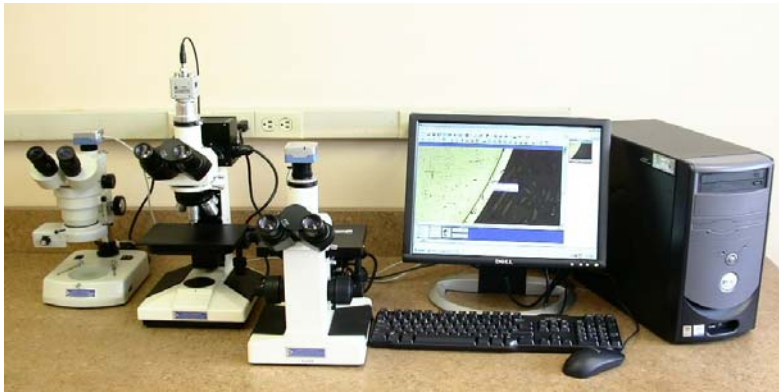
MARK V LABORATORY

METALLURGICAL MICROSCOPE FILM & ACCESSORYS

Item	Description	Price
667	POLAROID B/W, 2 PACK, 20 EXP.	36.00
690	POLAROID COLOR, 2 PACK 20 EXP.	39.00
METSS100	HITACHI COLOR VIDEO FILM 100 EXP.	120.00
MCP-S	LEVELING CLAY STICK	7.00
MMS	METAL MICROSCOPE SLIDE	9.00
SLHP	SAMPLE LEVELING PRESS	259.00
SM-IN	METAL INCH STAGE MICROMETER, .001" DIV.	218.00
SM-M	METAL METRIC STAGE MICROMETER, .01 MM DIV.	218.00



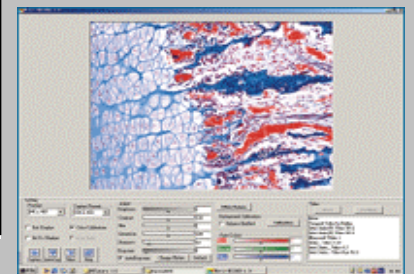
MARK V MICROSCOPE DIGITAL CAMERA'S & IMAGING SYSTEMS



Item	Description	Price
MVOPTIC	2300 DIGITAL MICROSCOPE CAMERA SYSTEM W/ SOFTWARE	1,498.00

Maximum pixels - Minimum price. A first for the Digital Microscopy market, the **MVOPTIC 2300** features 3.0 Megapixel resolution at a reasonable price. The 2300 is a high-resolution microscope camera using a high-speed USB2.0 connection. A free USB2.0 PCI card is included in the package for less current PC's.

Preview live images up to 1650x1240, capture and save images in a variety of formats. The small and lightweight design makes even this powerful camera very easy to use and mount on virtually any microscope in the world. This CMOS camera with C-ring Mount comes with a Microscope Adapter or Reducing Lens System and uses USB 2.0 connecting cable (permanently attached to camera) for high speed PC connection. The standard 2.0 Capture and Measuring Software allows for multiple calibrations for 1-3 Microscopes and measures lines, angles, radius's, areas, etc. that appear in image data box's on the screen. Report Generation is also included. The 2300 comes complete with Calibration Slide for accurate calibrations and measurements. Complete Packages are available with Microscope, Camera & Dell PC, Fully Loaded, Calibrated with ASTM Certification.



MVOPTID	CUSTOM DELL PC W/ DVI FLAT MONITOR & DVI GRAPHICS	1,150.00
MVOPTIM	3.0 IMAGE ANALYSIS SOFTWARE FOR MVOPTIC CAMERA	1,098.00

MARK V MICROSCOPE VIDEO CAMERA'S & CAPTURE SYSTEMS

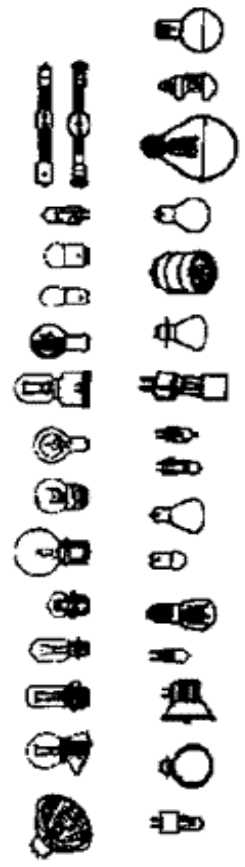
Item	Description	Price
MET6000	JAVELIN VIDEO MICROMETER W/ 5 OPTICAL CALIBRATIONS	1,850.00
METBTV	B/W VIDEO SYSTEM, W/ 1/2" CCD CAMERA & 12" MONITOR	1,625.00
METCTV	HITACHI COLOR VIDEO SYSTEM W/ KPD-20 & FLAT 20" SCREEN	1,750.00
METKPD-20	HITACHI COLOR VIDEO CAMERA WITH MESSAGE & ZOOM	1,290.00
METVCP	USB VIDEO/PC IMPORT CAPTURE SYSTEM	398.00



MARK V LABORATORY

MICROSCOPE BULB'S FOR MARK V, UNITRON, OLYMPUS & NIKON

Item	Description	Price
1630	BAUSCH & LOMB ILLUMINATOR. BULB, EA.	18.00
64250	HALOGEN BULB, 20W, 6V	18.00
64425	HALOGEN BULB, 20W, 12V, EA.	18.00
64440	HALOGEN BULB, 50W, 12V, EA.	18.00
64610	HALOGEN BULB, 50W, 12V, EA.	18.00
64625	HALOGEN BULB, 100W, 12V, EA.	20.00
64633	HALOGEN BULB, 150W, 15V, EA.	29.00
64640	VERSAMET BULB 150W, 24V, EA.	26.00
64642	HALOGEN BULB, 150W, 24V, EA.	29.00
64655	HALOGEN BULB, 250W, 24V, EA.	29.00
7023	HALOGEN BULB, 110W, 12V, EA.	18.00
7388	HALOGEN BULB, 20W, 6V, EA.	15.00
76513	NIKON EPIPHOT BULB, 100W, 12V, EA.	22.00
76516	NIKON EPIPHOT BULB, 50W, 12V, EA.	22.00
8018	HALOGEN PROJECTOR BULB, 15W, 6V, EA.	28.00
8024	BULB, 12V 40W, EA.	28.00
EJA	PROJECTION BULB, 150W, 21V (3300K)	50.00
EKE	PROJECTION BULB, 150W, 21V	50.00
EL-12B	UNITRON BME BULB 15W, 6V	16.00
EL-1B	UNITRON BN-11 BULB, 50W, 13.5V	16.00
EL-2B	UNITRON MEC BULB, 8V 12W, EA.	14.00
EL38	UNITRON BULB, 8V 15 W. EA.	22.00
EL-3B	UNITRON BULB, 12W, 8V, EA.	14.00
ELH	PROJECTION BULB, 300W, 120V	50.00
EMC	PROJECTION BULB, 100W, 12V	50.00
LS15	OLYMPUS BULB F/BH 6V, 2.5A, EA	28.00
MEQXB	REPLACEMENT REFLECTED BULB F/ MEQX MICROSCOPES	8.00
MEQXT	REPLACEMENT TRANSMITTED BULB F/ MEQX MICROSCOPE	12.00
MHT8V	ILLUMINATOR BULB F/MHT1000	12.00
MIC-1	DUAL RING ILLUMINATOR BULB	92.00
PCR-BU	PCR-2200 BULB	10.00
PCS-BU	PCS-400 BULB	10.00
SHT-8V	SHIMADZU ILLUMINATOR BULB EA.	15.00
TQ-5LW	FLUORESCENT RING BULB REPLACEMENT, 17 WATT	58.00
TQ-7LX	FLUORESCENT RING BULB HI- INTENSITY REPLACEMENT, 17 W	89.00



MICROSCOPE FIBER OPTIC ILLUMINATORS

Item	Description	Price
TQ-AN1	FIBERLIGHT ANULAR RING 2.3" I.D.	325.00
TQ-AN2	FIBERLIGHT ANULAR RING 2.6" I.D.	345.00
TQ-DLP	DUAL LIGHT PIPE, EA.	275.00
TQ-FOI	FIBER OPTIC ILLUMINATOR UNIT	365.00
TQ-SLP	SINGLE LIGHT PIPE	210.00

American Made Fiber Optic Illuminator for most Stereo Microscopes with variable Hi-Intensity 150 Watt Quartz Halogen Reflector Bulb. Fan cooled with Low Noise & Vibration the TQ-FOI accepts the wide range of Light Guides and Annular Ring Lights Listed. 110V/220V available.



MARK V LABORATORY

MICROSCOPE FLUORESCANT ILLUMINTORS

Item	Description	Price
MIC-1	DUAL RING ILLUMINATOR BULB	92.00
MIC-O-LITE	DUAL RING ILLUMINATOR, COMPLETE	358.00
TQ-5LC	FLUORESCENT RING LIGHT ILLUMINATOR SINGLE INTENSITY	245.00
TQ-5LW	FLUORESCENT RING BULB REPLACEMENT, 17 WATT	58.00
TQ-7LC	FLUORESCENT RING LIGHT VARIABLE H-INTENSITY(VIDEO)	465.00
TQ-7LX	FLUORESCENT RING BULB HI- INTENSITY, 17 WATT	89.00

The **TQ-5LC** & **TQ-7LC** Fluoresant Ring Illuminators provide bright, cool, shadow free illumination for stereo microscopes. Attached directly to the microscope body, the ring light surrounds objects with light that emanates from every part of its plane. Fluoresant Rings come complete with 110V Power Supply.



MARK V LAB MICROHARDNESS & PORTABLE ROCKWELL TESTERS

Item	Description	Price
MHT1000	AUTOMATIC MICRO HARDNESS TESTER, 15-1000 GRAM LOAD	9,998.00
MHT-KD	KNOOP DIAMOND INDENTER F/ MHT1000	657.00
MHT-VD	VICKERS DIAMOND INDENTER F/ MHT1000	632.00

The **MHT1000** Hardness Tester measures in both Vickers and Knoop ranges and features automatic pushbutton load/time sequencing. Test loads are between 15 and 1000 grams with load durations from 5 to 45 seconds. The microscope offers magnifications of 100X for observation and 400X for measuring. Measuring is done with an ocular micrometer with a course scale of 20 microns and a fine scale of .5 microns. The X, Y sample stage is 120 X 120mm. Digital computer readout available. 110V



Item	Description	Price
MHR316	PORTABLE ROCKWELL TESTER W/ BLOCK 20-65 HRC	698.00
MHR316.2	REPLACEMENT INDENTER F/ 316 TESTER	180.00
MHR316	ROCKWELL TEST BLOCK 20-65 HRC	89.00

Portable Hardness Tester for Rockwell C Scales 20-65 HRC. The **MHR316** Unit features built-in Fiber Optic Light Source, Calibrated Preload Indenter and Direct Reading 60X Microscope. The Portable design makes it ideal for large pieces, field work, small Machine Shops, Heat Treaters, and Quality Control personnel The MHR316 Tester comes complete with Calibrated Test Block Conversion Calculator and Carrying Case.. A full range of Certified A.S.T.M. Test Blocks are available. Accuracy is +- 1.5 points. Power 2 AAA Batteries



MARK V LAB MICROHARDNESS & ROCKWELL TEST BLOCKS

Item	Description	Price
TB-KN	KNOOP TEST BLOCK	396.00
TB-RB	ROCKWELL B TEST BLOCK	80.00
TB-RC	ROCKWELL C TEST BLOCK	80.00
TB-VK	VICKERS TEST BLOCK	396.00



MARK V LABORATORY

MARK V LABORATORY ELECTRO ETCHER & VIBROGRAVER

Item	Description	Price
MVEE	MARK V ELECTRO ETCHER, COMPLETE, 110/220V	998.00
<p>Manufactured by Mark V Laboratory, for Etching Mounted and Un-mounted Samples to show Grain, Case Depth etc. The MVEE Features a Dual Range 1-15 & 15-30 DC Power Supply with Output Voltage@ 0-2 Amps with voltage regulation load of less than 0.1% from no load to full load. Dual Meters simultaneously monitor the output voltage and current. The system comes complete with Stainless Steel Cathode and Anode, Pyrex Etching Chamber with Lid, 24" Connector Cable, and Reagents Chart. 110V 60Hz 220V 50Hz.</p>		
MVEE-MT	MARK V ELECTRO ETCHER, COMPLETE WITH TIMER, 110/220V	1,298.00



Item	Description	Price
VG-1	VIBROGRAVER W/ CARBIDE TIP	78.00
<p>Mark V Laboratory VG-1 Vibrogravers come with Diamond Tips for Engraving Samples and Specimens. Ideal for Identification and Serializing all types of parts. 110V</p>		
VG-DP	VIBROGRAVER REPLACEMENT DIAMOND TIP, EA.	20.00



THERMOLYNE HOT PLATES, OVENS & FURNACES

Item	Description	Price
THP18300	THERMOLYNE DIGITAL HOT PLATE, 110V	265.00
<p>Thermolyne THP18300 Digital Hot Plates Feature: Die cast Aluminum case with Ceramic Coated Stainless Steel Top. Sensitive Thermostatic Control provides Protection of Internal Components against Spillage. Embedded Heating Elements transfer heat evenly to the top plate, supplying uniform heat across its surface, Digital Readout & Control insure accurate temperature range. 110/220V.</p>		
<p>Thermolyne Ovens Feature: Double Pane Glass Windowed Door providing Easy Viewing, Thermometer Port at the top of the oven accepts standard Stem Thermometers. 12"x12"x12" Chamber is Vented through the top for removal of moisture and other vapors. Rapid Heat-up Saves Time (56C in 9 min.) Operating Temperature Ambient -140C. Aluminum Chamber is Easy to Clean. Supplied with one Removable Shelf. 110/220V.</p>		
<p>Thermolyne Furnaces Feature: Furnaces with 3 Types of Automatic Controllers, Single Set-point, Programmable & Multi-Programmable. Highly Proficient Ceramic Insulated 14"x14"x14" Chamber for Maximum Energy Efficiency. Triple the Useable Working Area with 2 Refractory Shelves. 1" Diameter Vent on the top of furnace Removes Contaminates and Moisture. A Door Safety Switch for Operator Safety. 3/8" Rear Port for Chamber Temperature with an Independent Device. Critical Electronics are Protected by a 35 Amp Circuit Breaker. 120/ 240V.</p>		



MARK V LABORATORY

PTC SURFACE THERMOMETERS

Item	Description	Price
310.7	MAGNETIC THERMOMETER HOLDER, EA.	9.00
310F	SURFACE THERMOMETER, 0-300F, EA.	48.00
313F	SURFACE THERMOMETER, 5-500F, EA.	48.00
314F	SURFACE THERMOMETER, 50-750F, EA.	48.00

The PTC 310F & 313F Surface Thermometers use a unilateral Thermal Sensor to measure the temperature of the Contact Surface. These Instruments are Fully Enclosed to protect the Bimetal from dirt to dust. The Temperature Range is 0-300F +/- 2% & 5-500F. 310.7 Optional Spring Holder The PTC 314F Dual Magnet Mount Surface Thermometers are designed to be used on Horizontal or Non-Horizontal Ferrous Surfaces. The Range is 50-750F +/- 2%.



BRANSON ULTRASONIC CLEANER UNITS & SOLUTIONS



Bransonic® Ultrasonic Cleaners

Branson now offers you seven ways to get the full efficient power of ultrasonic cleaning at an affordable price. It's the Bransonic line of low cost, high quality ultrasonic cleaners, ranging from one quart to eight gallons.

Dependable Solid State Circuitry is used for a long trouble-free life (no fans or other moving parts). The Generator and Heater have separate Controls and the Metal/Ceramic Transducers assure both Durability and Superior Power.

Three Types of Units are available: MT Mechanical Timer, MTH Mechanical Timer with Heat & DTH Digital Timer with Heat.

Item	Description	Price
B1510MT	ULTRASONIC CLEANER 1/2 GAL. UNIT W/TIMER	398.00
B2510MT	ULTRASONIC CLEANER 3/4 GAL. UNIT W/TIMER	549.00
B3510MT	ULTRASONIC CLEANER 1-1/2 GAL. UNIT W/TIMER	825.00
B5510MT	ULTRASONIC CLEANER 2-1/2 GAL. UNIT W/TIMER	1162.00
B8510MT	ULTRASONIC CLEANER 5.5 GAL.UNIT W/TIMER	1798.00
BRANSON OPTIONS	MHT MECHANICAL TIMER W/ HEAT & DHT DIGITAL TIMER W/ HEAT	
BRANSON OPTIONS	STAINLESS STEEL PERFORATED & SOLID TRAYS	
BEC-128	BRANSON ELECTRONICS CLEANER 1 GAL.	40.00
BGP-128	GENERAL PURPOSE CLEANER, 1 GAL.	42.00
BIS-128	INDUSTRIAL STRENGTH CLEANER, 1 GAL	44.00
BOX-128	OXIDE REMOVERCLEANER, 1 GAL	46.00



MSDS BEC

MSDS BGP

MSDS BIS

MSDS BOX

MARK V LABORATORY

RECONDITIONED EQUIPMENT BULLITIN BOARD



UNITRON VERSAMET

Multi-Image Metallograph Features; Brightfield/Darkfield, Polarized Light, & Nomarski Interference Contrast. Koehler Illuminator W/150 Watt Quartz Halogen Bulb. Complete with 10x Widefield Eyepieces, 5X, 10X, 20X, 40X, & 80X Flatfield Objectives, View Screen, Polaroid Camera and Par focal Video Camera Adapter. 110V.

1 Year Warranty
\$6850.00



UNITRON UNIMET

Brightfield Metallograph Features; Polarized Light, & Contrast. Koehler Illuminator W/150 Watt Quartz Halogen Bulb. Complete with 10x Widefield Eyepieces, 5X, 10X, 20X, 40X, & 80X Flatfield Objectives, View Screen, Polaroid Camera and Par focal Video/Digital Camera Adapter. 110V.

1 Year Warranty
\$5450.00



STRUERS ABRAMIN AUTOMATIC 12" GRINDER/POLISHER

Automatic 12" Grinder/Polisher. Features; Moveable Motorized Sample Head
2 Speed Operation (150+300 rpm), Up to 8 Programmable Grind/Polish Cycles, Automatic Sample Wash and Pneumatic Operation.
Complete w/ 2 ea. Aluminum Wheels and Sample Fixture.
220V Tri Phase.

Completely Reconditioned
1 Year Warranty
\$7250.00

MARK V LABORATORY

RECONDITIONED EQUIPMENT BULLITIN BOARD



STRUERS DPU With Pmd Force SYSTEM AUTOMATIC POLISHER

Variable Speed (0-500 rpm) 12" Grinder/Polisher with Motorized Polishing Head Attachment provides Automatic Weight Feed Automatic Grinding & Polishing Capability. Complete with Motorized Head, 8 Sample Fixture and two 12" Aluminum Wheels

1 Year Warranty
\$3898.00



BUEHLER SIMPLIMET 1

Hydraulic Specimen Mounting Press Completely Reconditioned with 1 1/4" Mold and Automatic Heater. Features include:

- Quick ram speeds up and down for good productivity
- Mechanical Timer
- Buehler Tetramet Mold Closure for fast, safe press operation
- Thermostatically controlled 350W Mold Heater
- Slip-on Mold Cooler

1 Year Warranty
\$2850.00



SHIMADZU MICROHARDNESS TESTER

Automatic Tester Features High Accuracy Load Weight System, with Loads of 15, 25, 50, 100, 200, 300, 500 & 1000 grams. Eyepiece Filar Measures in Vickers & Knoop Tables. Push Button Load and Dwell Times offer ease of use and repeatability. Dual Micrometer Stage gives pinpoint location ever time. Complete with 10x Widefield Filar Eyepiece, 10X & 40X Objectives with choice of Vickers or Knoop Diamond. 110V.

1 Year Warranty
\$5450.00

MARK V LABORATORY

SURPLUS SUPPLIES BULLITIN BOARD



**OVERSTOCKED
Half Price**

1232-X1 A/O CUT-OFF WHEELS
12" x 3/32" x 1-1/4"
For all Hard & Softer Steels & other
Ferrous Alloys.
10/Pkg.

\$72.00



**OVERSTOCKED
WET/DRY METALLURGICAL
S/C GRINDING BELTS**

MB50G 4"X36 S/C 50 Grit
Metallurgical Belts 10/Pkg.

\$45.00

MB400G 4"X36" S/C 400 Grit
Metallurgical Belts 10/Pkg.

\$25.00



**OVERSTOCKED
WET/DRY METALLURGICAL
9"X 11" A/O GRINDING SHEETS
100/ PKG.**

FX91150-100 50 GRIT	\$48.00
FX91180-100 80 GRIT	\$48.00
FX911120-100 120 GRIT	\$45.00
FX911180-100 180 GRIT	\$45.00
FX911240-100 240 GRIT	\$45.00