



# Metallographic Materials



Image courtesy of Carl Zeiss Research Microscopy Solutions

*Cutting*

*Mounting*

*Grinding*

*Polishing*

*Microscopes*

*Hardness Testers*

*Portable Analysers  
XRF & LIBS*

# 2019

€  
Price  
List



## Superfine Abrasive Cutting Wheels for Laboratory Precision Cutters

Type	Use	Diameters
Type HNF	Superfine wheels for precision cutting of ferrous metals and super-alloys. Rubber bonded Al <sub>2</sub> O <sub>3</sub>	<b>100-180mm</b>

Type	Use	Diameters
Type T	Superfine wheels for precision cutting of titanium, aluminium and copper alloys. Rubber bonded SiC	<b>150-180mm</b>

All packs contain 5 cutting wheels

Type	Size	Cat no.	Price
<b>100mm</b>	Brillant 220 and similar machines		
HNF	100 x 0.25 x 12.7mm	109915	<b>€58.13</b>
HNF	100 x 0.40 x 12.7mm	109901	<b>€58.13</b>
<b>125mm</b>	Brillant 220 and similar machines		
HNF	125 x 0.45 x 12.7mm	109902	<b>€65.63</b>

Type	Size	Cat no.	Price
<b>150mm</b>	Brillant 220 and similar machines		
HNF	150 x 0.45 x 12.7mm	109903	<b>€70.63</b>
T	150 x 0.45 x 12.7mm	109907	<b>€71.88</b>
<b>180mm</b>	Brillant 220 and similar machines		
HNF	180 x 0.8 x 12.7mm	101720	<b>€77.50</b>
T	180 x 0.8 x 12.7mm	101728	<b>€83.75</b>

### Diamond and CBN Cutting Wheels for Laboratory Precision Cutters

Type	Use	Diameters
High Concentration	DIAMOND for use on ferrous metals, medium hard ceramics, spray coatings, MM composites and PC Boards	<b>75-175mm</b>
Low Concentration	DIAMOND for use on hard ceramics, glass and rock	<b>75-175mm</b>
High Concentration	CUBIC BORON NITRIDE (CBN) for rapid cutting of ferrous, nickel and cobalt based alloys	<b>75-175mm</b>

All packs contain 1 cutting wheel

Type	Size	Cat no.	Price
<b>75mm</b>	Brillant 220 and similar machines		
HC Diamond	75 x 0.15 x 12.7mm	100750	<b>€306.25</b>
LC Diamond	75 x 0.15 x 12.7mm	100751	<b>€306.25</b>
HC CBN	75 x 0.15 x 12.7mm	100760	<b>€306.25</b>

Type	Size	Cat no.	Price
<b>100mm</b>	Brillant 220 and similar machines		
HC Diamond	100 x 0.30 x 12.7	101050	<b>€368.75</b>
LC Diamond	100 x 0.30 x 12.7	101051	<b>€368.75</b>
HC CBN	100 x 0.30 x 12.7	101060	<b>€368.75</b>

Type	Size	Cat no.	Price
<b>125mm</b>	Brillant 220 and similar machines		
HC Diamond	125 x 0.40 x 12.7mm	101250	<b>€415.00</b>
LC Diamond	125 x 0.40 x 12.7mm	101251	<b>€415.00</b>
HC CBN	125 x 0.40 x 12.7mm	101260	<b>€370.00</b>

Type	Size	Cat no.	Price
<b>150mm</b>	Brillant 220 and similar machines		
HC Diamond	150 x 0.50 x 12.7mm	101555	<b>€537.50</b>
LC Diamond	150 x 0.50 x 12.7mm	101556	<b>€537.50</b>
HC CBN	150 x 0.50 x 12.7mm	101560	<b>€510.00</b>

Type	Size	Cat no.	Price
<b>175mm</b>	Brillant 220 and similar machines		
HC Diamond	175 x 0.60 x 12.7mm	101850	<b>€648.75</b>
LC Diamond	175 x 0.60 x 12.7mm	101851	<b>€648.75</b>
HC CBN	175 x 0.60 x 12.7mm	101860	<b>€536.25</b>

### Diamond Cutting Wheels for Geological and Petrographic Cutters

Type	Use	Diameters
Continuous Rim Metal bonded Diamond	For rocks and petrographic samples	<b>100-350mm</b>

All packs contain 1 cutting wheel

Size	Cat no.	Price
100 X 0.40mm	101040	<b>€185.00</b>
150 x 1.0mm	101540	<b>€203.75</b>
200 x 1.35mm	102040	<b>€266.25</b>
250 x 1.35mm	102540	<b>€360.00</b>
300 x 1.6mm	103040	<b>€567.50</b>
350 x 1.7mm	103540	<b>€712.50</b>

N.B. PLEASE SPECIFY ARBOUR SIZE WHEN ORDERING

<b>Petrothin</b>	200 x 1.3 x 25.4	102045	<b>€316.25</b>
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### Diamond Cutting Wheels General Purpose

Type	Use	Diameters
Continuous Rim Resin Bonded Diamond	For use with standard, single speed metallurgical cutters for very hard materials e.g. tungsten carbides and ceramics	<b>200-350mm</b>

All packs contain 1 cutting wheel

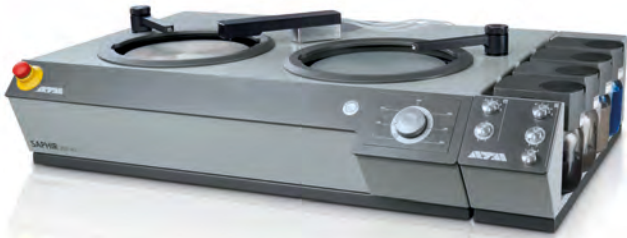
Type	Size	Cat no.	Price
	200 x 1.5 x 32mm	102060	<b>€393.75</b>
	250 x 1.5 x 32mm	102560	<b>€537.50</b>
	300 x 1.5 x 32mm	103060	<b>€618.75</b>
	350 x 1.5 x 32mm	103560	<b>€748.75</b>



Precision Wafering Blades



MetPrep PARTNER



**SAPHIR 250 M2 POLISHER**  
With Topaz M Dispenser



**SAPHIR X-CHANGE**  
Compact fully automatic Grinder/Polisher



**SAPHIR 250 ECO**  
Semi Automatic Polisher



**SAPHIR VIBRO**  
Vibratory Polisher



**KRISTALL 680**  
Fully Automatic Electrolytic Polisher-Etcher

## Cold Mounting Systems

### KLEER-SET

Polyester resin/hardener system giving glass-clear mounts  
Curing time 40 mins.

	Pack	Cat no.	Price
KLEER-SET FF Resin and Hardener	1kg	11 10 81	€43.75
KLEER-SET FF Resin and Hardener	5kg	11 10 82	€124.38

### TRI-HARD

A 3 part powder/liquid system giving exceptional hardness and low shrinkage for use in exacting applications where specimen edge retention is of paramount importance - Curing time 15 mins.

	Pack	Cat no.	Price
TRI-HARD Kit - Regular (Powder, Liquid 1, Liquid 2)	1.5kg 500ml 1000ml	11 10 41	€173.13
TRI-HARD Kit - Large (Powder, Liquid 1, Liquid 2)	6kg 2000ml 4000ml	11 10 49	€665.00

### VARI-SET

Acrylic powder/liquid system offered in 2 different hardness levels. Powders can be mixed to obtain intermediate levels of hardness. Minimal shrinkage ensures ultimate edge preparation. Curing time - 10 mins.

	Pack	Cat no.	Price
VARISET 10 Powder, soft, clear	1kg	11 10 27	€68.13
VARISET 20 Powder hard, green	1kg	11 10 28	€68.13
VARISET 10/20 Liquid	0.5lt	11 10 29	€32.25

### QUICK-SET 2

Acrylic powder/liquid system giving a fast cure time of 5 mins, combining ease of use with minimal shrinkage and low odour.

	Pack	Cat no.	Price
QUICK-SET 2 Powder, blue	1kg	11 10 35	€68.13
QUICK-SET 2 Liquid	0.5lt	11 10 36	€32.25

### ACRI-KLEER

The most transparent powder/liquid cold mounting system without using a pressure chamber. Curing time 8 mins.

	Pack	Cat no.	Price
ACRI-KLEER Powder Clear	1kg	11 10 44	€105.25
ACRI-KLEER Liquid	1lt	11 10 47	€42.50

### EPO-SET

Epoxy resin/hardener system. Curing time approx. 6 hours.  
Low Shrinkage

	Pack	Cat no.	Price
EPO-SET Resin	1kg	11 10 61	€61.88
EPO-SET Hardener	250gm	11 10 62	€31.56
EPO-SET Resin	5kg	11 10 63	€262.50
EPO-SET Hardener	1kg	11 10 64	€105.00

### EPO-FLO

Low viscosity epoxy resin/hardener system for vacuum infiltration of porous materials. Curing time approx 2.5 hrs at 40°C-50°C  
Very low shrinkage

	Pack	Cat no.	Price
EPO-FLO Resin	1kg	11 10 65	€70.00
EPO-FLO Hardener	300gm	11 10 66	€41.25
EPO-FLO Resin	3kg	11 10 67	€195.00
EPO-FLO Hardener	1kg	11 10 68	€121.25

## Mounting Accessories

### Moulds For Cold Mounting

#### Round Silicone Rubber

DIA	HEIGHT	Pack	Cat no.	Price
25mm	20mm	1	11 30 01	€10.88
30mm	20mm	1	11 30 02	€11.25
32mm	20mm	1	11 30 03	€11.25
40mm	25mm	1	11 30 05	€13.00
50mm	25mm	1	11 30 06	€19.63

#### Rectangular Silicone Rubber

LENGTH / WIDTH / HEIGHT	Pack	Cat no.	Price
55mm x 30mm x 22mm	1	11 30 10	€21.88
70mm x 40mm x 22mm	1	11 30 11	€29.13
100mm x 50mm x 22mm	1	11 30 12	€43.00

#### MET-MOULDS

Polypropylene - 2 part

	Pack	Cat no.	Price
30mm dia	10	11 30 17	€26.75
1 1/4" diam	10	11 30 18	€26.75
40mm dia	10	11 30 20	€28.00

#### SILICONE mould release

	Pack	Cat no.	Price
Silicone - aerosol	400ml	11 30 23	€22.50
Silicone - grease	100g	11 30 22	€14.38

MIXING CUPS Graduated	Pack	Cat no.	Price
	100	11 30 30	€23.13

STIRRING STICKS Wooden	Pack	Cat no.	Price
	500	11 30 32	€19.13

#### UNICLIPS

Plastic specimen mounting device for holding sheet material, PCBs, wire and small irregular shapes.

Tripod design to minimise interference at the prepared surface

UNICLIP Plastic tripod	Pack	Cat no.	Price
Black	100	11 30 43	€31.25
Blue	100	11 30 44	€31.25
Red	100	11 30 45	€31.25
Green	100	11 30 46	€31.25
Yellow	100	11 30 47	€31.25

#### CLAMP SPRING CLIPS

For mounting thin samples

CLAMP Stainless Steel clip	Pack	Cat no.	Price
	100	11 30 40	€43.13
CLAMP Plastic clip	Pack	Cat no.	Price
	100	11 30 41	€42.75

#### SAMPLE IDENTIFICATION LABELS

Self-adhesive labels	Pack	Cat no.	Price
	200	11 99 11	€6.88
Plain backed labels	Pack	Cat no.	Price
	200	11 99 12	€6.88



Vacuum impregnation unit



## Grinding Stones

High Quality Abrasive Grinding Stones for the rapid removal of material on High Speed Grinders

	Pack	Cat no.	Price
Silicon Carbide Grinding stone for non-ferrous metals and titanium, Saphir 375, 350x40x90mm	EA	12 35 71	€350.00
Alumina Grinding stone for ferrous metals and super-alloys Saphir 375 330x40x90mm	EA	12 35 81	€312.50
Alumina Grinding stone for ferrous metals and super-alloys - without plate for Abraplan 350x45x38mm	EA	12 35 83	€300.00
Alumina Grinding stone for ferrous metals and super-alloys - without plate for Prepamatic 200x50x32mm	EA	12 20 81	€160.00

### DIAMOND DRESSING TOOLS

for Saphir 375 and other planar grinders

Multiple Diamond - short shank	EA	92006227	€270.00
Multiple Diamond - long shank	EA	92008648	€270.00

### DIAMOND CUP GRINDING WHEELS

For Brillant 220 Precision Cutter

Metal bonded, Coarse grit, 150mm dia	EA	92006607	€637.50
Resin bonded, Coarse grit, 180mm dia	EA	12 45 09	€550.00
Resin bonded, Standard grit, 180mm dia	EA	12 45 10	€550.00
Resin bonded, Medium grit, 180mm dia	EA	12 45 11	€550.00
Resin bonded, Fine grit, 180mm dia	EA	12 45 12	€550.00

### FOR PETROTHIN

Resin bonded, 203mm dia	EA	12 45 08	€550.00
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**SAPHIR 375**  
Automatic Planar  
Stone Grinder



## MetPrep MAGNO System

The MetPrep MAGNO System allows for abrasive papers, Cameo and Galaxy Diamond abrasive discs, other diamond discs and Polishing cloths to be magnetically attached to the wheel of most grinding/polishing machines.

### MAGNOBASE

A magnetic substrate that is stuck to the wheel of a grinder/polisher to allow the use of steel backed discs. Only one is required per wheel.

200mm dia	EA	16 20 15	€21.88
254mm dia	EA	16 25 15	€27.19
305mm dia	EA	16 30 15	€35.00

### MAGNOPLANE

A steel disc with one side adhesive coated to attach multiple plain SiC papers; for use on MAGNOBASE

200mm dia	5	13 90 13	€60.00
254mm dia	5	13 90 14	€81.25
305mm dia	5	13 90 16	€99.38

### MAGNOPLATE

A plain steel disc to provide a magnetic base for psa backed SiC papers and Polishing Cloths; for use on MAGNOBASE

203mm dia	5	16 20 10	€37.50
254mm dia	5	16 25 10	€49.25
305mm dia	5	16 30 10	€57.50
305mm dia Stainless steel extra thick Magnoplate	EA	9500 6789	€24.94

## Zirconia Series Grinding Discs

Suitable for primary grinding of all materials to remove cutting marks and disturbed layer. The primary advantages of this material are its very long life and cool cutting characteristics when compared to SiC. PSA backed cloth discs for use on MAGNOPLATES

### DISCS 200mm diameter

Grit size P60	25	12 20 50	€80.00
Grit size P80	25	12 20 51	€71.88
Grit size P120	25	12 20 53	€71.88

### DISCS 250mm diameter

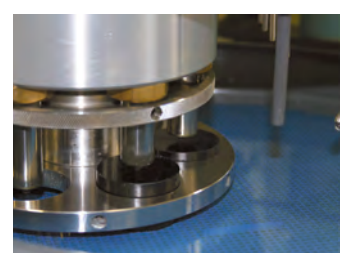
Grit size P60	25	12 25 50	€128.75
Grit size P80	25	12 25 51	€115.00
Grit size P120	25	12 25 53	€115.00

### DISCS 300mm diameter

Grit size P60	25	12 30 50	€161.88
Grit size P80	25	12 30 51	€152.50
Grit size P120	25	12 30 53	€152.50



Central Pressure Holder



Individual Pressure Holder



Pack Cat no. Price

### Galaxy Series

Premium high concentration diamond grinding discs suitable for all grinding and primary polishing of steels, nickel base and titanium alloys.

Steel backed for use on MAGNOBASE

DISCS 200mm diameter			
Grit size P80-100 Red	EA	9500 5521	€93.75
Grit size P300-320 Green	EA	9500 5522	€77.50
Grit size P500-600 Blue	EA	9500 5523	€75.00
Grit size P1000-1200 Yellow	EA	9500 5524	€75.00
DISCS 250mm diameter			
Grit size P80-100 Red	EA	9500 4310	€107.50
Grit size P300-320 Green	EA	9500 4311	€91.25
Grit size P500-600 Blue	EA	9500 4312	€88.75
Grit size P1000-1200 Yellow	EA	9500 4313	€88.75
DISCS 300mm diameter			
Grit size P80-100 Red	EA	9500 4314	€131.25
Grit size P300-320 Green	EA	9500 4315	€117.50
Grit size P500-600 Blue	EA	9500 4316	€117.50
Grit size P1000-1200 Yellow	EA	9500 4317	€117.50

### Cameo Platinum Series

Top Quality diamond grinding discs suitable for primary and fine grinding of ferrous metals and superalloys. Used to replace SiC abrasive papers to maximise efficiency and minimise waste.

Steel backed for use on MAGNOBASE

DISCS 200mm diameter			
Grit size P80-P100 Black	EA	12 20 00	€85.63
Grit size P120-P150 Blue	EA	12 20 01	€70.31
Grit size P220-P320 Green	EA	12 20 02	€65.94
Grit size P400-P600 Yellow	EA	12 20 03	€65.94
Grit size P1000 Red	EA	12 20 04	€65.94
DISCS 250mm diameter			
Grit size P80-P100 Black	EA	12 25 00	€100.00
Grit size P120-P150 Blue	EA	12 25 01	€82.19
Grit size P220-P320 Green	EA	12 25 02	€78.44
Grit size P400-P600 Yellow	EA	12 25 03	€78.44
Grit size P1000 Red	EA	12 25 04	€78.44
DISCS 300mm diameter			
Grit size P80-P100 Black	EA	12 30 00	€127.50
Grit size P120-P150 Blue	EA	12 30 01	€110.63
Grit size P220-P320 Green	EA	12 30 02	€105.63
Grit size P400-P600 Yellow	EA	12 30 03	€105.63
Grit size P1000 Red	EA	12 30 04	€105.63

Pack Cat no. Price

### Cameo Silver & Gold Series

Fine grinding discs that deliver a constant stock removal rate. They can be used to replace many traditional grinding steps from P240 to P1200 where SiC papers are commonly used. This reduces the number of steps in your procedure resulting in considerable cost savings and waste reduction, and optimum flatness is achieved. The matrix pattern optimises the effectiveness of the MetPrep diamond suspension applied by ensuring continuous and even distribution during the grinding process.

Steel backed for use on MAGNOBASE

#### CAMEO SILVER

For Medium Hard to very hard materials, >400HV

200mm dia	EA	12 20 10	€75.00
250mm dia	EA	12 25 10	€88.75
300mm dia	EA	12 30 10	€101.25

#### CAMEO GOLD

For soft ferrous and non-ferrous materials

200mm dia	EA	12 20 15	€70.00
250mm dia	EA	12 25 15	€86.25
300mm dia	EA	12 30 15	€97.50

#### IMPORTANT FEATURES

- Cost efficient - one Cameo disc replaces many SiC abrasive papers
- Patented surface profile ensures even stock removal
- The micro pools spread and recycle the diamond suspension which substantially reduces the usage compared with other systems
- The stock removal rates of Cameo discs are unsurpassed, giving short preparation times and a perfectly flat surface
- Cameo Discs can be used on both manual and automatic polishers

### Diamond Disc Series

Fixed diamond grinding discs.

Steel backed for use on MAGNOBASE

Metal bonded diamond grinding discs, raised spot pattern ideal for the grinding of rocks and ceramics, with fast stock removal and long life.

#### DISCS 200mm

Grit size 10 micron	EA	14 20 34	€118.13
Grit size 40 micron	EA	14 20 37	€118.13
Grit size 75 micron	EA	14 20 38	€124.69

#### DISCS 250mm

Grit size 10 micron	EA	14 25 34	€196.88
Grit size 40 micron	EA	14 25 37	€196.88
Grit size 75 micron	EA	14 25 38	€203.44

#### DISCS 300mm

Grit size 10 micron	EA	14 30 34	€282.19
Grit size 40 micron	EA	14 30 37	€282.19
Grit size 75 micron	EA	14 30 38	€290.06

Resin bonded diamond grinding discs, raised spot pattern, ideal for the fine grinding of rocks and ceramics. Steady controlled stock removal. Particularly useful for glassy materials where fine damage can be slowly and carefully removed

#### DISCS 200mm

Grit size 3 micron	EA	14 20 42	€99.75
Grit size 9 micron	EA	14 20 44	€99.75
Grit size 30 micron	EA	14 20 46	€99.75

#### DISCS 250mm

Grit size 3 micron	EA	14 25 42	€183.75
Grit size 9 micron	EA	14 25 44	€183.75
Grit size 30 micron	EA	14 25 46	€183.75

#### DISCS 300mm

Grit size 3 micron	EA	14 30 42	€220.50
Grit size 9 micron	EA	14 30 44	€220.50
Grit size 30 micron	EA	14 30 46	€220.50

MetPrep TECHNICAL DATA SHEETS.  
Provide further information about our products.  
Find them ON-LINE at:

[www.metprep.co.uk/downloads-support/technical-data-sheets](http://www.metprep.co.uk/downloads-support/technical-data-sheets)

**ZEISS**

Preferred Partner

## MetPrep are proud to announce a new partnership with

**ZEISS** - a world leader in the fields of microscopy

A global technology leader that continuously strives to provide innovative  
multi-dimensional metrology & microscopy solutions for

**MetPrep** – a leader in the supply of materials preparation and inspection services  
developing a close, harmonious & mutually beneficial



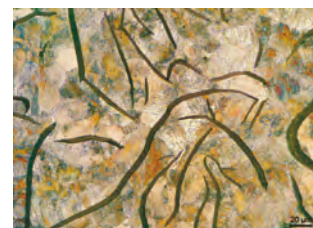
ZEISS Stemi 305



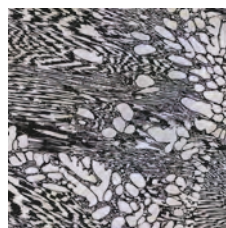
ZEISS AxioScope compound microscope



ZEISS AxioZoom V16 Particle Analysis



Cast iron - Axio Observer



Aluminium copper alloy

**MetPrep** are committed to provide lasting commitment & support for all customers,



## New strategic partnership with ZEISS

...y, optics, inspection & measurement technology.

...novation solutions for all areas of technology. Solutions include  
...r high-tech industries, research, education & healthcare

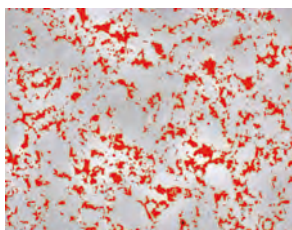
...pection instrumentation, consumables & service look forward to  
...eneficial relationship based on quality and trust.



...compound instruments



...alloy - AxiObserver



Coating porosity - AxiImager 2



ZEISS AxioZoom V16



ZEISS SmartZoom 5

...especially those with other brands of imaging instruments previously purchased from us.

# GRINDING - ABRASIVE PAPERS

## Silicon Carbide Waterproof Abrasive Papers

	Pack	Cat no.	Price
<b>Plain Backed Discs</b> can be used with MAGNOPLANE			
<b>DISCS 200mm</b> Dia Plain backed			
Grit size P60	100	13 99 00	€56.25
Grit size P80	100	13 99 01	€51.25
Grit size P120	100	13 99 03	€45.50
Grit size P180	100	13 99 05	€39.75
Grit size P240	100	13 99 07	€39.75
Grit size P320	100	13 99 09	€39.75
Grit size P400	100	13 99 10	€39.75
Grit size P600	100	13 99 12	€39.75
Grit size P800	100	13 99 13	€39.75
Grit size P1200	100	13 99 15	€39.75
Grit size P2500	100	13 99 18	€63.25
Grit size P4000	100	13 99 19	€105.31

<b>DISCS 230mm</b> Dia Plain Backed			
Grit size P60	100	13 23 00	€71.75
Grit size P80	100	13 23 01	€62.38
Grit size P120	100	13 23 03	€53.50
Grit size P180	100	13 23 05	€48.88
Grit size P240	100	13 23 07	€48.88
Grit size P320	100	13 23 09	€48.88
Grit size P400	100	13 23 10	€48.88
Grit size P600	100	13 23 12	€48.88
Grit size P800	100	13 23 13	€48.88
Grit size P1200	100	13 23 15	€48.88
Grit size P2500	100	13 23 18	€73.75
Grit size P4000	100	13 23 19	€131.88

<b>DISCS 250mm</b> Dia Plain Backed			
Grit size P60	100	13 25 00	€91.00
Grit size P80	100	13 25 01	€84.38
Grit size P120	100	13 25 03	€62.38
Grit size P180	100	13 25 05	€57.81
Grit size P240	100	13 25 07	€57.81
Grit size P320	100	13 25 09	€57.81
Grit size P400	100	13 25 10	€57.81
Grit size P600	100	13 25 12	€57.81
Grit size P800	100	13 25 13	€57.81
Grit size P1200	100	13 25 15	€57.81
Grit size P2500	100	13 25 18	€88.44
Grit size P4000	100	13 25 19	€171.88

<b>DISCS 305mm</b> Dia Plain Backed			
Grit size P60	100	13 99 30	€120.94
Grit size P80	100	13 99 31	€96.88
Grit size P120	100	13 99 33	€81.25
Grit size P180	100	13 99 35	€74.06
Grit size P220	100	13 99 36	€74.06
Grit size P240	100	13 99 37	€74.06
Grit size P320	100	13 99 39	€74.06
Grit size P400	100	13 99 40	€74.06
Grit size P500	100	13 99 41	€74.06
Grit size P600	100	13 99 42	€74.06
Grit size P800	100	13 99 43	€74.06
Grit size P1000	100	13 99 44	€74.06
Grit size P1200	100	13 99 45	€74.06
Grit size P2400	100	13 99 47	€276.25
Grit size P2500	100	13 99 48	€124.38
Grit size P4000	100	13 99 49	€236.25

<b>ROLLS 76mm x 20m</b>			
Grit size P120	EA	13 80 03	€24.69
Grit size P180	EA	13 80 05	€21.88
Grit size P240	EA	13 80 07	€21.88
Grit size P320	EA	13 80 09	€21.88
Grit size P400	EA	13 80 10	€21.88
Grit size P600	EA	13 80 12	€21.88
Grit size P800	EA	13 80 13	€21.88
Grit size P1200	EA	13 80 15	€21.88

	Pack	Cat no.	Price
<b>Adhesive backed Discs</b> can be used with MAGNOPLATE			
<b>DISCS 200mm</b> Dia Adhesive Backed			
Grit size P60	100	13 20 50	€89.69
Grit size P80	100	13 20 51	€84.38
Grit size P120	100	13 20 53	€72.81
Grit size P180	100	13 20 55	€65.00
Grit size P240	100	13 20 57	€65.00
Grit size P320	100	13 20 59	€65.00
Grit size P400	100	13 20 60	€65.00
Grit size P600	100	13 20 62	€65.00
Grit size P800	100	13 20 63	€65.00
Grit size P1200	100	13 20 65	€65.00
Grit size P2500	100	13 20 68	€91.56
Grit size P4000	100	13 20 69	€156.25

<b>DISCS 250mm</b> Dia Adhesive Backed			
Grit size P60	100	13 25 50	€127.50
Grit size P80	100	13 25 51	€119.38
Grit size P120	100	13 25 53	€103.75
Grit size P180	100	13 25 55	€93.44
Grit size P240	100	13 25 57	€93.44
Grit size P320	100	13 25 59	€93.44
Grit size P400	100	13 25 60	€93.44
Grit size P600	100	13 25 62	€93.44
Grit size P800	100	13 25 63	€93.44
Grit size P1200	100	13 25 65	€93.44
Grit size P2500	100	13 25 68	€137.50
Grit size P4000	100	13 25 69	€184.38

<b>DISCS 305mm</b> Dia Adhesive Backed			
Grit size P60	100	13 30 50	€181.25
Grit size P80	100	13 30 51	€169.00
Grit size P120	100	13 30 53	€161.25
Grit size P180	100	13 30 55	€137.81
Grit size P240	100	13 30 57	€137.81
Grit size P320	100	13 30 59	€137.81
Grit size P400	100	13 30 60	€137.81
Grit size P600	100	13 30 62	€137.81
Grit size P800	100	13 30 63	€137.81
Grit size P1200	100	13 30 65	€137.81
Grit size P2500	100	13 30 68	€178.13
Grit size P4000	100	13 30 69	€273.75

## Waterproof Abrasive Belts

<b>SILICON CARBIDE</b> cloth belts 100mm x 915mm			
Grit size P60	10	13 51 00	€66.25
Grit size P80	10	13 51 01	€62.50
Grit size P120	10	13 51 03	€56.25
Grit size P180	10	13 51 05	€56.25
Grit size P240	10	13 51 07	€56.25
Grit size P400	10	13 51 10	€56.25

<b>ALUMINIUM OXIDE</b> cloth belts 100mm x 915mm			
Grit size P60	10	13 99 80	€62.50
Grit size P80	10	13 99 81	€55.00
Grit size P120	10	13 99 83	€52.50
Grit size P180	10	13 99 85	€52.50
Grit size P240	10	13 99 87	€52.50
Grit size P400	10	13 99 90	€52.50

## GRIT GRABBERS

Double sided adhesive discs for use with plain backed SiC papers. Can be used repeatedly.			
200mm dia	10	13 90 03	€33.75
254mm dia	10	13 90 04	€55.00
305mm dia	10	13 90 06	€68.75
Aerosol Spray Adhesive	400ml	13 90 05	€23.13

MetPrep PARTNERS



SciAps



**Hand held Analytical Solutions:**

X range of XRF units for PMI and on site testing for many applications

Z range of LIBS Laser Induced Breakdown Spectroscopy

## POLISHING CLOTHS-MAGNO SYSTEM

Pack    Cat no.    Price

### Primary Polishing Cloths

**ABRACLOTH M** A hard coarse weave synthetic material for intermediate grinding and primary polishing. Use with 15 or 9 micron diamond

203mm dia	5	17 20 40	<b>€79.38</b>
254mm dia	5	17 25 40	<b>€110.63</b>
305mm dia	5	17 30 40	<b>€137.50</b>

**PLANOCLOTH HM** A perforated chemotextile oil, water and alcohol resistant cloth. For rapid stock removal from hard materials producing flat, relief free specimens. 6 micron diamond and larger

203mm dia	5	17 20 62	<b>€123.13</b>
254mm dia	5	17 25 62	<b>€170.00</b>
305mm dia	5	17 30 62	<b>€211.25</b>

**PLANOCLOTH M** A chemotextile oil, water and alcohol resistant cloth for flat, relief free specimens. 3 micron diamond and larger

203mm dia	5	17 20 61	<b>€64.38</b>
254mm dia	5	17 25 61	<b>€80.00</b>
305mm dia	5	17 30 61	<b>€105.00</b>

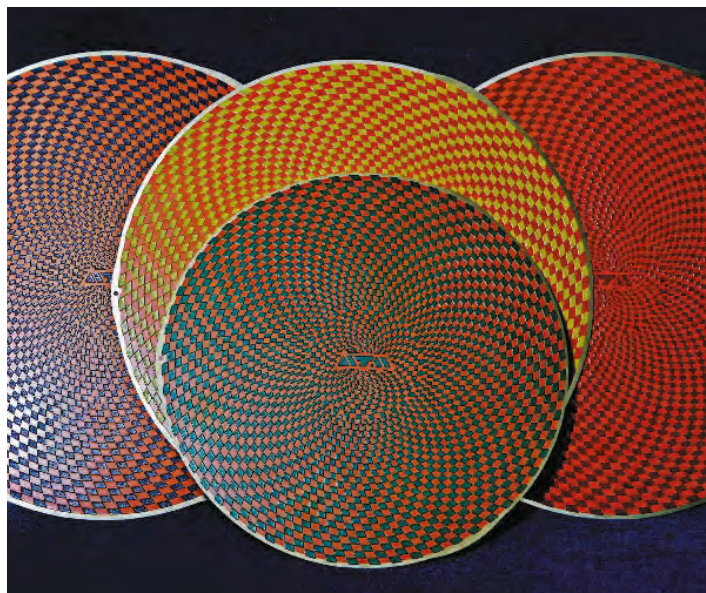
**NYLAP CLOTH M** A hard napless cloth with long life for pre-polishing of all materials. 6-15 micron diamond

203mm dia	5	17 20 50	<b>€62.50</b>
254mm dia	5	17 25 50	<b>€86.88</b>
305mm dia	5	17 30 50	<b>€108.75</b>

**DURASILK M** For coarse polishing of tough materials, e.g. titanium, superalloys and steels. 3 and 6 micron diamond

203mm dia	5	17 20 52	<b>€56.88</b>
254mm dia	5	17 25 52	<b>€73.13</b>
305mm dia	5	17 30 52	<b>€87.50</b>

**POLISHING CLOTHS - M SERIES** with steel back for use on **MAGNOBASE**



Galaxy Diamond Grinding Discs

Pack    Cat no.    Price

### Final Polishing Cloths

**CASHMERE CLOTH M** The softest virgin wool cloth specially prepared to produce flat polished surfaces. diamond or oxide abrasives, 15-1 micron

203mm dia	5	17 20 70	<b>€75.00</b>
254mm dia	5	17 25 70	<b>€121.88</b>
305mm dia	5	17 30 70	<b>€134.38</b>

**TROUNOIRE M** A dense short napped cloth for final polishing. 6-1/4 micron diamond

203mm dia	5	17 20 95	<b>€68.75</b>
254mm dia	5	17 25 95	<b>€108.75</b>
305mm dia	5	17 30 95	<b>€121.25</b>

**ALPHACLOTH M** A versatile synthetic short nap cloth with fibres bonded to a woven cotton backing. For final polishing with diamond, alumina or silica abrasives, 1 micron or less

203mm dia	5	17 20 94	<b>€53.75</b>
254mm dia	5	17 25 94	<b>€70.00</b>
305mm dia	5	17 30 94	<b>€83.75</b>

**MEMPHIS CLOTH M** A heavy duty cloth with medium nap for final polishing using diamond, 3 micron or less

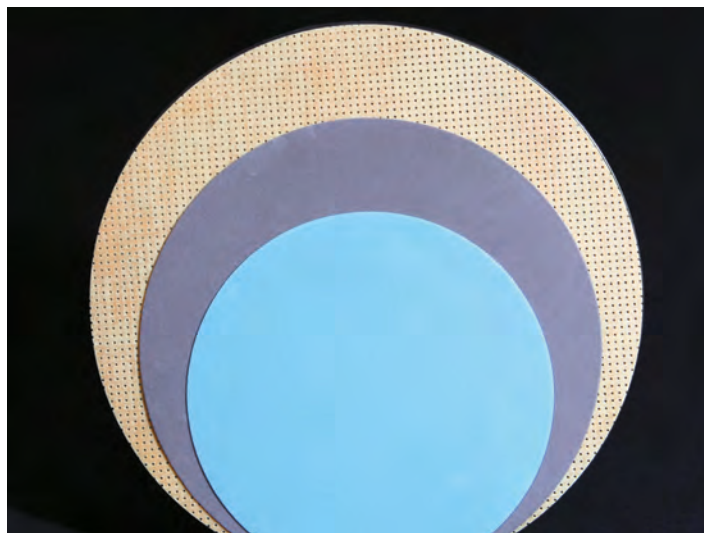
203mm dia	5	17 20 96	<b>€57.50</b>
254mm dia	5	17 25 96	<b>€91.25</b>
305mm dia	5	17 30 96	<b>€102.50</b>

**MULTICLOTH M** A very short napped soft cloth for final polishing with oxide abrasives, 1 micron or less

203mm dia	5	17 20 92	<b>€55.00</b>
254mm dia	5	17 25 92	<b>€72.50</b>
305mm dia	5	17 30 92	<b>€80.00</b>

**CHEMICLOTH M** A black, napless, porous synthetic cloth for chemical/mechanical final polishing, producing a superfine finish with minimal relief. Colloidal Silica or Alumina suspensions

203mm dia	5	17 20 91	<b>€91.88</b>
254mm dia	5	17 25 91	<b>€135.63</b>
305mm dia	5	17 30 91	<b>€172.50</b>



Polishing Cloths

	Pack	Cat no.	Price
<b>Primary Polishing Cloths</b>			
<b>ABRACLOTH</b> A hard coarse weave synthetic material for intermediate grinding and primary polishing. Use with 15 or 9 micron diamond			
203mm dia	5	16 20 40	€56.25
254mm dia	5	16 25 40	€84.38
305mm dia	5	16 30 40	€98.75

<b>PLANOCLOTH H</b> A perforated chemotextile oil, water and alcohol resistant cloth. For rapid stock removal from hard materials producing flat, relief free specimens. 6 micron diamond and larger			
203mm dia	5	16 20 62	€113.13
254mm dia	5	16 25 62	€152.50
305mm dia	5	16 30 62	€192.50

<b>PLANOCLOTH</b> A chemotextile oil, water and alcohol resistant cloth for flat, relief free specimens. 3 micron diamond and larger			
203mm dia	5	16 20 61	€43.75
254mm dia	5	16 25 61	€63.13
305mm dia	5	16 30 61	€83.13

<b>NYLAP CLOTH</b> A hard napless cloth with long life for pre-polishing of all materials. 6-15 micron diamond			
203mm dia	5	16 20 50	€47.50
254mm dia	5	16 25 50	€67.50
305mm dia	5	16 30 50	€91.88

<b>DURASILK</b> For coarse polishing of tough materials, e.g. titanium, superalloys and steels. 3 and 6 micron diamond			
203mm dia	5	16 20 52	€52.50
254mm dia	5	16 25 52	€65.00
305mm dia	5	16 30 52	€72.19

**POLISHING CLOTHS - PSA SERIES** with Adhesive backing for use directly on a polishing wheel or on **MAGNOPLATE**

	Pack	Cat no.	Price
<b>Final Polishing Cloths</b>			
<b>CASHMERE CLOTH</b> The softest virgin wool cloth specially prepared to produce flat polished surfaces. diamond or oxide abrasives, 15-1 micron			
203mm dia	5	16 20 70	€65.63
254mm dia	5	16 25 70	€99.69
305mm dia	5	16 30 70	€110.63

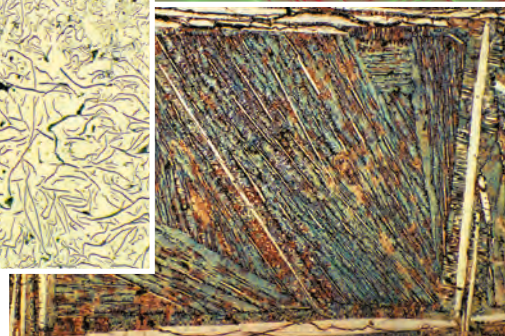
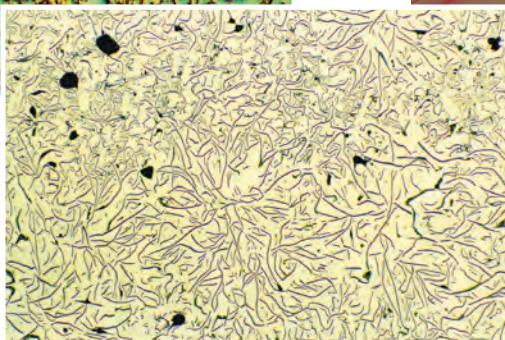
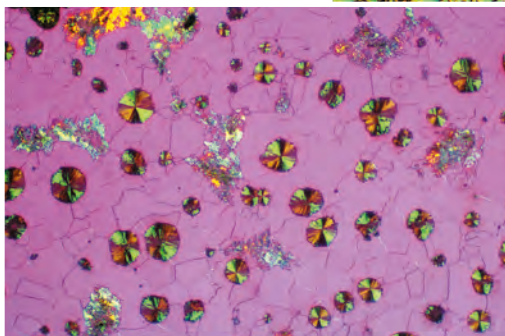
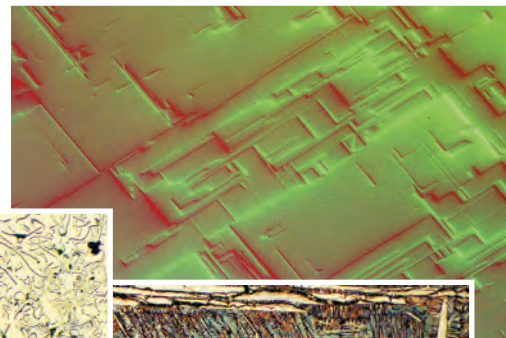
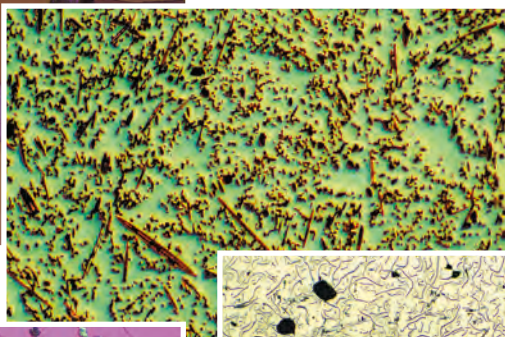
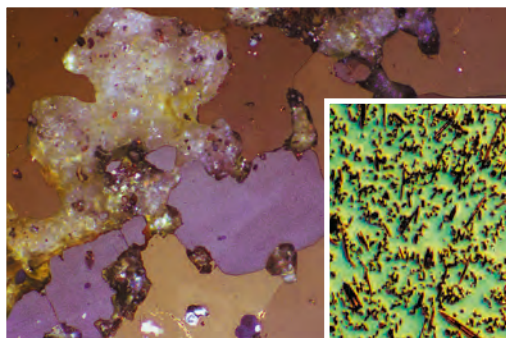
<b>TROUNOIRE</b> A dense short napped cloth for final polishing. 6-1/4 micron diamond			
203mm dia	5	16 20 95	€48.75
254mm dia	5	16 25 95	€63.13
305mm dia	5	16 30 95	€81.25

<b>ALPHACLOTH</b> A versatile synthetic short nap cloth with fibres bonded to a woven cotton backing. For final polishing with diamond, alumina or silica abrasives, 1 micron or less			
203mm dia	5	16 20 94	€39.38
254mm dia	5	16 25 94	€54.38
305mm dia	5	16 30 94	€63.13

<b>MEMPHIS CLOTH</b> A heavy duty cloth with medium nap for final polishing using diamond, 3 micron or less			
203mm dia	5	16 20 96	€41.88
254mm dia	5	16 25 96	€54.06
305mm dia	5	16 30 96	€70.00

<b>MULTICLOTH</b> A very short napped soft cloth for final polishing with oxide abrasives, 1 micron or less			
203mm dia	5	16 20 92	€33.75
254mm dia	5	16 25 92	€45.00
305mm dia	5	16 30 92	€55.00

<b>CHEMICLOTH</b> A black, napless, porous synthetic cloth for chemical/mechanical final polishing, producing a superfine finish with minimal relief. Long life. Colloidal Silica or Alumina suspension			
203mm dia	5	16 20 91	€71.25
254mm dia	5	16 25 91	€108.75
305mm dia	5	16 30 91	€140.63







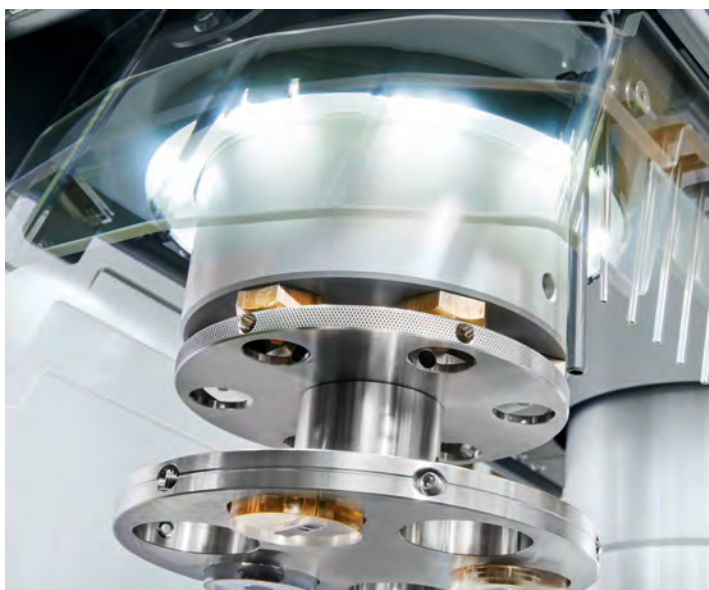
	Pack	Cat no.	Price
<b>Polycrystalline</b>			
<b>DIAMOND</b> compound, water based, in disposable syringes			
Micron size 1/4 Grey	10g	15 98 04	€54.38
Micron size 1 Blue	10g	15 98 08	€54.38
Micron size 3 Green	10g	15 98 12	€65.50
Micron size 6 Yellow	10g	15 98 16	€90.63
Micron size 9 Red	10g	15 98 20	€90.63
Micron size 15 Brown	10g	15 98 24	€90.63

<b>DIASPRAY</b> - Diamond aerosol, water based, manually pressurised			
Micron size 1/4 Grey	250ml	15 42 41	€53.25
Micron size 1 Blue	250ml	15 42 42	€53.25
Micron size 3 Green	250ml	15 42 43	€55.75
Micron size 6 Yellow	250ml	15 42 44	€56.88
Micron size 9 Red	250ml	15 42 45	€56.88
Micron size 15 Brown	250ml	15 42 46	€56.88

<b>DIAMOND</b> Suspensions, water based with trigger spray			
Micron size 1/4 Grey	400ml	15 42 61	€79.38
Micron size 1 Blue	400ml	15 42 62	€79.38
Micron size 3 Green	400ml	15 42 63	€83.13
Micron size 6 Yellow	400ml	15 42 64	€85.00
Micron size 9 Red	400ml	15 42 65	€85.00
Micron size 15 Brown	400ml	15 42 66	€85.00

<b>DIAMOND</b> Suspensions, water based, refill bottles			
Micron size 1/4 Grey	1lt	15 41 41	€121.88
Micron size 1 Blue	1lt	15 41 42	€121.88
Micron size 3 Green	1lt	15 41 43	€156.25
Micron size 6 Yellow	1lt	15 41 44	€160.00
Micron size 9 Red	1lt	15 41 45	€160.00
Micron size 15 Brown	1lt	15 41 46	€160.00

<b>POLYMET</b> Suspension - water based, special formula for dramatic reduction in polishing times			
Micron size 1 Blue	400ml	15 98 82	€75.63
Micron size 3 Green	400ml	15 98 83	€79.13
Micron size 6 Yellow	400ml	15 98 84	€80.88
Micron size 9 Red	400ml	15 98 85	€80.88
Micron size 15 Brown	400ml	15 98 86	€80.88



**SAPHIR 550**  
Polishing head and diamond dispenser

	Pack	Cat no.	Price
<b>Polishing Silica</b>			
<b>SILCO</b> Colloidal Silica suspension, high concentration			
Micron size 0.06	1lt	15 99 97	€31.13
Micron size 0.06	5lt	15 99 99	€119.38
Micron size 0.06	25lt	15 99 98	€431.25

<b>OPUS</b> Non crystallising Colloidal Silica suspension, high concentration, suitable for use with automatic peristaltic dosers			
Micron size 0.04	1lt	15 97 80	€43.75
Micron size 0.04	2.5lt	15 97 81	€105.00
Micron size 0.04	5lt	15 97 82	€190.00

<b>Polishing Alumina</b>			
<b>ALPHA</b> - Dry Powder			
Micron size 1.0	500g	15 99 80	€101.25
Micron size 1.0	2.0kg	15 99 81	€387.50
Micron size 0.3	500g	15 99 82	€101.25
Micron size 0.3	2.0kg	15 99 83	€387.50

<b>GAMMA</b> - Dry Powder			
Micron size 0.05	500g	15 99 84	€101.25
Micron size 0.05	2.0kg	15 99 85	€387.50

<b>AQUEOUS</b> Suspensions			
Alpha Micron size 5.0	1lt	15 99 89	€51.88
Alpha Micron size 1.0	1lt	15 99 91	€60.00
Alpha Micron size 0.3	1lt	15 99 93	€60.00
Gamma Micron size 0.05	1lt	15 99 95	€60.00

<b>Silicon Carbide Grit Size Comparison Chart</b>			
Comparison chart illustrating Silicon Carbide grit size and typical size in micrometers			
SiC FEPA European	Average size microns	SiC CAMI USA	Average size microns
P40g	412	40g	428
P80g	197	80g	192
P120g	127	120g	116
P180g	78	180g	78
P240g	58	240g	53
P320g	46		
P400g	35	320g	36
P600g	25	400g	23
P800g	22		
P1000g	18		
P1200g	15	600g	16
P2500g	12	800g	12
		1000g	9
P4000g	6	1200g	6

**EVolution Portable Grinder/Polisher Kit**

Controller, 110/120V for 2 x brushless motors (PGEVOLUTION)	
Motor, super-torque, brushless (PGENESKA250T)	
Power cord for PGENESKA250T motor (PGENESKACABLE)	
Handpiece, angle 90 degree (CHC collet) (PGIC390)	
Rubber pad 30mm, 3mm shaft (PGPT030)	
Consumables starter kit (PGMECONS)	
Carry bag for kit (PGBAG)	<b>€2,623.75</b>

**EVolution Accessories & Spare Parts**

Motor, super-torque, brushless	PGENESKA250T	<b>€762.50</b>
Power cord for PGENESKA250T motor	PGENESKACABLE	<b>€256.25</b>
Handpiece, angle 90 degree (CHC collet)	PGIC390	<b>€506.25</b>
Handpiece, angle, 45 degree (CHC collet)	PGKC345	<b>€548.75</b>
Handpiece, straight, rapid-chuck (CHH collet)	PGIH300	<b>€420.00</b>
Handpiece, straight, deep holes (CHM collet)	PGMH300	<b>€383.75</b>
Handpiece, torque type (CHG collet)	PGHG210	<b>€442.50</b>
Mini belt sander attachment	PGBS100	<b>€855.00</b>
Extension Element, reduction gear	PGRG01	<b>€568.75</b>
Extension Element	PGCN01	<b>€206.25</b>
Replacement collets 3.0mm	PGCHC3	<b>€98.75</b>
Rubber disc holder, 30mm diameter (Pck of 5)	PGPT030X5	<b>€50.00</b>
Flapper abrasive wheel 60 x 30 x 6mm (pck of 10)	PGPT6030	<b>€70.00</b>

**Portable Grinding and Polishing Materials**

	Pack	Cat no.	Price
<b>Grinding Discs, 32mm dia, psa backed</b>			
Crit size P60	100	13 03 00	<b>€29.38</b>
Crit size P120	100	13 03 03	<b>€29.38</b>
Crit size P240	100	13 03 07	<b>€29.38</b>
Crit size P400	100	13 03 10	<b>€29.38</b>
Crit size P600	100	13 03 12	<b>€29.38</b>
Crit size P1200	100	13 03 15	<b>€29.38</b>

	Pack	Cat no.	Price
<b>Polishing Cloths, 32mm dia, psa backed</b>			
Durasilk, psa	25	16 03 52	<b>€25.25</b>
Trounoire,psa	25	16 03 95	<b>€26.25</b>
Cashmere Cloth, psa	25	16 03 70	<b>€24.88</b>
Planocloth, psa	25	16 03 61	<b>€24.88</b>
Alphacloth, psa	25	16 03 94	<b>€24.88</b>
HS Blue	25	16 03 98	<b>€35.94</b>
HS Green	25	16 03 99	<b>€35.94</b>

	Pack	Cat no.	Price
<b>DIAMOND compound, water based, in disposable syringes</b>			
Micron size 1 Blue	5g	15 99 06	<b>€11.63</b>
Micron size 6 Yellow	5g	15 99 14	<b>€18.13</b>
Micron size 15 Brown	5g	15 99 22	<b>€24.25</b>
MetPrep Lubricant, Aerosol - pump up	250ml	15 50 00	<b>€10.63</b>

**Portable Replicating Materials**

	Pack	Cat no.	Price
Acetate Replica sheet, 35micron	20	AAG255	<b>€26.25</b>
Acetate Replicating tape, 125 micron	19mm x 4.5m	AAG3882	<b>€81.25</b>
Glass slides, 1.0 - 1.2mm (26x76)	50	AAL4244	<b>€18.75</b>
Glass slides, 1.2 - 1.4mm (26x76)	100	19 40 02	<b>€21.25</b>
Microset Cartridge 101RFB	50ml	MC50	<b>€49.38</b>
Microset Replifix Putty - (fast cure)	500g	M121F	<b>€69.38</b>
Microset Cartridge 101RF	265ml	101RF	<b>€138.75</b>
Microset Dispensing gun	EA	DG50	<b>€68.75</b>
Microset Nozzle pack	10	NP10	<b>€17.81</b>
Microset Nozzle pack	50	NP50	<b>€77.50</b>

**Ultrasonic Cleaners**

Units with timer, variable heater, lid and basket			
MODEL	CAPACITY	TANK SIZE	
U300H	2.5 litres	240L x 140W x 100D	<b>€522.50</b>
U500H	4.5 litres	300L x 150W x 150D	<b>€893.75</b>
QS12	12.5 litres	295L x 245W x 140D	<b>€1,770.00</b>

	Pack	Cat no.	Price
<b>Ultraclean 1</b> Ultrasonic cleaning fluid concentrate, suitable for ferrous materials			
	1 lt	18 00 02	<b>€23.38</b>
	5 lt	18 00 03	<b>€99.38</b>

	Pack	Cat no.	Price
<b>Ultraclean 2</b> Ultrasonic cleaning fluid concentrate, suitable for non-ferrous materials e.g. aluminium, copper etc.			
	1 lt	18 00 04	<b>€23.38</b>

**Vacuum and Pressure Impregnation Units**

<b>MULTI-POUR</b> Vacuum Impregnation unit with indexing moulds (8off), 2 pouring stations and vacuum pump	EA	M6500001	<b>€3,012.50</b>
<b>SINGLE-POUR</b> , Vacuum Impregnation unit and vacuum pump	EA	CA9117	<b>€1,437.50</b>
<b>TECHNOMAT</b> Pressure Chamber for use with CRYSTAL-KLEER mounting compound to produce glass-clear mounts	EA	11 30 50	<b>€831.25</b>

**Laboratory Compressor**

<b>BAMBI</b> Compressor, Oil free, Ultra low noise 340h x 400w x 330d (mm)	EA	PT5	<b>€768.75</b>
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**Specimen Driers**

Specimen Drier, Bench Mounted	EA	A5810355	<b>€872.50</b>
Specimen Drier, Hand held	EA	19 03 00	<b>€74.38</b>

**Specimen Levelling Press for Microscopy**

Specimen Levelling Press for levelling specimens, with height control of prepared surface for upright microscopes.	EA	19 99 04	<b>€406.25</b>
Glass Slides (extra thick) for use with the Specimen Levelling Press	10	19 04 05	<b>€35.00</b>
Plasticene for use with the Specimen Levelling Press	500g	19 04 01	<b>€12.38</b>

**Miscellaneous Accessories**

<b>Fastener Vice</b> - Miniature vice for small samples such as fasteners for longitudinal sectioning	EA	C10050	<b>€406.25</b>
<b>Lens Tissue</b> , for microscope lens and sample cleaning, 100x150mm	4 pks of 25	19 04 02	<b>€39.38</b>
<b>Electric Engraver</b> with metal point for micro-sample identification	EA	19 00 00	<b>€98.75</b>
<b>Cotton Wool</b> for etch swabbing and micro-cleaning	500g	19 99 01	<b>€10.13</b>
<b>Vinyl Gloves</b> , disposable	100	19 99 05	<b>€23.75</b>
<b>Selvyt Cloth</b> Squares with bound edges 250mmx250mm	10	16 99 99	<b>€46.56</b>
<b>Specimen Protective Lacquer</b> for coating specimens to prevent tarnish	400ml	11 30 25	<b>€17.88</b>

### Vickers Reference Hardness Blocks

<b>NOMINAL VICKERS REFERENCE HARDNESS BLOCK VALUES</b>	
40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950.	<b>€522.50</b>
Standard Loads (kg) available HV2, HV3, HV5, HV10, HV20, HV30, HV50, HV100.	
Additional UKAS Load Calibrations for individual block	<b>€318.75</b>
UKAS Recalibrations of existing blocks (Pass or Fail)	<b>€318.75</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6507-3 and ASTM E92	
Block size 64mm diameter x 15mm thickness	

<b>NOMINAL LOW FORCE VICKERS &amp; MICRO VICKERS REFERENCE HARDNESS BLOCK VALUES</b>	
40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950.	<b>€697.50</b>
Low force loads (kg) available HV1, HV0.5, HV0.3, HV0.2, HV0.1, HV0.050, HV0.025, HV0.010.	
Additional UKAS Load Calibrations for individual block	<b>€433.75</b>
UKAS Recalibrations of existing blocks (Pass or Fail)	<b>€433.75</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6507-3.	
Calibrations to ASTM E384 by request only.	
Block size 30mm diameter x 10mm thickness	

### Knoop Reference Hardness Blocks

<b>NOMINAL LOW FORCE KNOOP &amp; MICRO KNOOP REFERENCE HARDNESS BLOCK VALUES</b>	
40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950.	<b>€697.50</b>
Low force loads (kg) available HK1, HK0.5, HK0.3, HK0.2, HK0.1, HK0.050, HK0.025, HK0.010.	
Additional Load Calibrations for individual block	<b>€433.75</b>
Recalibrations of existing blocks (Pass or Fail)	<b>€433.75</b>
All blocks are supplied with a traceable laboratory certificate to ASTM E384	
Block size 30mm diameter x 10mm thickness	

### Vickers & Knoop Macro/Micro Testing Indenters

INDENTOR TYPE AND REFERENCE NUMBERS	UKAS Certified	No Certificate
<b>MACRO VICKERS</b>		
STANDARD TYPES: V1 002, V1 006, V1 016, V1 017, V1 018, V1 019, V1 020.	<b>€482.50</b>	<b>€423.75</b>
Repair of Macro Vickers Indenters (all types)	<b>€423.75</b>	<b>€381.25</b>
UKAS Certification of Macro Vickers Indenters all types (Pass or Fail)	<b>€361.25</b>	
<b>MICRO VICKERS</b>		
STANDARD TYPES: V1 009, V1 012, V1 013, V1 014.	<b>€661.25</b>	<b>€610.00</b>
NON STANDARD: V1 010, V1 024.	<b>€745.00</b>	<b>€697.50</b>
Repair of Micro Vickers Indenters (all types)	<b>€461.25</b>	<b>€418.75</b>
UKAS Certification of Micro Vickers Indenters all types (Pass or Fail)	<b>€372.50</b>	
<b>MACRO KNOOP</b>		
TYPES KI 007, KI 008, KI 009.	<b>€482.50</b>	<b>€418.75</b>
Repair of Macro Knoop Indenters (all types)	<b>€423.75</b>	<b>€381.25</b>
UKAS Certification of Macro Knoop Indenters all types (Pass or Fail)	<b>€361.25</b>	
<b>MICRO KNOOP</b>		
TYPES KI 002, KI 003, KI 004, KI 005,	<b>€661.25</b>	<b>€610.00</b>
Repair of Micro Knoop Indenters (all types)	<b>€461.25</b>	<b>€418.75</b>
UKAS Certification of Micro Knoop Indenters all types (Pass or Fail)	<b>€372.50</b>	

### Rockwell & Superficial Reference Hardness Blocks

SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE
HRC	20, 25, 30, 35, 40, 45, 50, 55, 60, 63, 65, 67.	<b>€275.00</b>
HRA	60, 63, 65, 68, 70, 73, 76, 78, 81, 83, 84, 85.	<b>€275.00</b>
HRD	40, 44, 48, 52, 56, 60, 64, 67, 71, 73, 74, 77.	<b>€275.00</b>
HR15N	69, 72, 75, 78, 81, 83, 85, 88, 90, 91, 92, 93.	<b>€275.00</b>
HR30N	41, 46, 50, 55, 59, 64, 68, 73, 77, 80, 82, 83.	<b>€275.00</b>
HR45N	19, 25, 31, 37, 43, 49, 55, 61, 66, 70, 72, 74.	<b>€275.00</b>
Additional UKAS Scale Calibrations for individual block		<b>€235.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)		<b>€235.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18 Block size 64mm diameter x 15mm thickness		
All above blocks will be supplied within +/-2 Rockwell points of the nominal value		

SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE
HRB	20, 30, 40, 50, 60, 70, 75, 80, 85, 90, 95, 100.	<b>€275.00</b>
HRA	22, 26, 31, 35, 40, 45, 47, 50, 53, 55, 59, 62.	<b>€275.00</b>
HRE	75, 81, 87, 93, 100.	<b>€275.00</b>
HRF	74, 80, 86, 91, 97, 100.	<b>€275.00</b>
HRG	3, 18, 33, 41, 49, 58, 66, 74, 83.	<b>€275.00</b>
HRH	94, 98.	<b>€275.00</b>
HRK	38, 47, 56, 65, 73, 81, 86, 91, 95, 99.	<b>€275.00</b>
HR15T	67, 70, 73, 77, 80, 83, 85, 86, 88, 90, 91, 93.	<b>€275.00</b>
HR30T	29, 36, 43, 49, 56, 63, 66, 69, 73, 76, 80, 83.	<b>€275.00</b>
HR45T	2, 12, 22, 32, 43, 48, 53, 58, 63, 68, 73.	<b>€275.00</b>

Additional UKAS Scale Calibrations for individual block	<b>€235.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)	<b>€235.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18	

All reference block scales using 1/16" or 1/8" diameter balls are supplied calibrated as standard using a steel ball. E.g. HRB (S). The same scales can also be supplied using a carbide ball E.g. HRB (W) on request only. Block size 64mm diameter x 15mm thickness  
All above blocks will be supplied within +/-4 Rockwell points of nominal value

### Rockwell Testing Indenters

INDENTOR TYPE AND REFERENCE NUMBERS	UKAS Certified	No Certificate
<b>ROCKWELL</b>		
STANDARD TYPES: RI 001, RI 002, RI 003, RI 004, RI 005, RI 006, RI 007, RI 009, RI 012, RI 013, RI 014, RI 019, RI 020, RI 036.	<b>€372.50</b>	<b>€327.50</b>
NON-STANDARD: RI 034 RI 002 RI 003 RI 004	<b>€473.75</b>	<b>€418.75</b>
Repair of Rockwell Indenters (all types)	<b>€310.00</b>	<b>€275.00</b>
UKAS Certification of Rockwell Indenters all types (Pass or Fail)	<b>€243.75</b>	
All UKAS certified Rockwell Indenters will be supplied with a UKAS Certificate to BS EN ISO 6508-2 and ASTM E18		





## The Jim Ashby Laboratory and Technical Centre

Established in 2018 and named in honour of our founder, the laboratory is fully equipped with ATM Metallurgical Preparation Equipment, ZEISS Microscope and Imaging Equipment, Qness Hardness testers and SciAps PMI Analysers.

**We welcome all customers to visit and see what we have to offer.**

**Service** – The growth of MetPrep in recent years and the blossoming of ATM equipment in industries throughout the UK has meant a greater requirement for routine maintenance and service. Statistics reveal that regular maintenance will extend working life and it is clearly better to preserve optimum operating performance rather than waiting for a breakdown with the resultant loss of productivity. MetPrep offer tailored service solutions for all equipment purchased from us.

For more information about Servicing please go to:  
<https://metprep.co.uk/service/>

**Warehouse/Delivery** – The move in 2017 to larger premises allowed us to enhance our UK warehouse and storage facilities for both Consumables and Capital Equipment.

We continue to supply most consumable products on a Next Day delivery around the UK, for orders placed before 2.00pm, for a fixed one-off price.

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<https://metprep.co.uk/online-ordering-quotations/>

**Road shows** – MetPrep visits several locations around the UK during the year to showcase our products for those unable to visit the Jim Ashby Laboratory & Training Centre in Coventry.



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