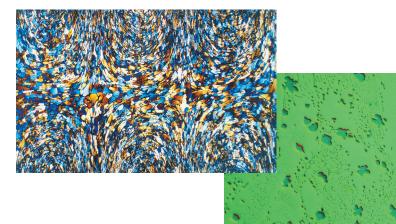


Metallographic

Materials





2023

Cutting Mounting Grinding Polishing Microscopes Image Processing Hardness Testers Portable Analysers XRF & LIBS

Weld Analysis

Price

List

Abrasive Cut-off Wheels for Laboratory Cutters

Туре	Use	Diameters	Туре
FES & 3H	For cutting very hard ferrous metals in the range RC60 and above. Resin bonded Al2O3	230- 400mm	FESR
FEM	For cutting tough metals, e.g. ferrous RC40-55 and nickel-based alloys. Resin bonded Al2O3	250- 432mm	FED
FEH	For cutting softer ferrous metals in the range RC25-40 and case hardened parts. Resin bonded Al2O3	250- 350mm	FEVH FEVH
F & UF	Superthin and Ultrathin wheels for cutting ferrous metals where final cut surface without burning is essential. Most suitable for cutters with extraction. Rubber bonded Al2O3	230- 350mm	т
NF	For cutting non-ferrous metals, aluminium, copper etc. Resin Bonded SiC	250mm	T1 &

Туре	Use	Diameters
FESR	For cutting large ferrous sections, very tough super- alloys and hardened steels. Reinforced for longer life. Resin bonded Al2O3	432- 508mm
FED	For cutting medium hard, ductile ferrous metals. Resin bonded Al2O3	250- 300mm
FEVH FEVHR	For cutting thin ferrous metal (e.g.tubes). Resin bonded Al2O3 FEVHR - Reinforced for longer life	250mm
т	Superthin wheel for cutting non-ferrous metals and alloys, aluminium, titanium, copper etc. where final cut surface without burning is essential. Most suitable for cutters with extraction. Rubber bonded SiC	
T1 & T2	For cutting non-ferrous metals and alloys, aluminium, titanium, copper etc. Resin bonded SiC	250- 350mm

All packs contain 10 cutting wheels

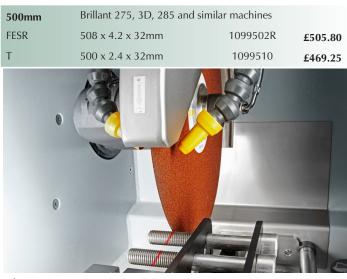
Туре	Size	Cat no.	
230mm			
F	230 x 0.8 x 32mm	109919	£177.00
250mm	Brillant 200, 230, 240	and similar machines	
3H	250 x 1.6 x 32mm	109921	£112.20
FES	250 x 1.5 x 32mm	109821	£112.20
FEM (2HA)	250 x 1.6 x 32mm	109922	£112.20
FED (33H)	250 x 1.6 x 32mm	109923	£112.20
FEH (2H)	250 x 1.5 x 32mm	109924	£112.20
FEVH (H)	250 x 1.6 x 32mm	109927	£112.20
F	250 x 1.1 x 32mm	109926	£196.00
T1	250 x 1.5 x 32mm	109828	£140.35
T2	250 x 1.6 x 32mm	109928	£147.60
NF	250 x 1.6 x 32mm	109929	£112.20
Т	250 x 1.1 x 32mm	109920	£196.00

300mm	Brillant 230, 250.3 and similar machines		
FES	300 x 2.0 x 32mm	109831	£186.85
FEM (2HA)	300 x 2.0 x 32mm	109932	£139.15
FED (33H)	300 x 2.0 x 32mm	109933	£139.15
FEH (2H)	300 x 2.4 x 32mm	109935	£139.15
F	300 x 1.2 x 32mm	109936	£225.70
UF	300 x 0.8 x 32mm	109836	£209.35
T1	300 x 2.0 x 32mm	109838	£209.35
Т	300 x 1.2 x 32mm	109930	£225.70

ON-LINE ORDERING FROM METPREP Speed up your order process by ordering through our website.

Go to: https://metprep.co.uk/online-ordering-quotations/ Set up an account, log in and you're ready to go.

Туре	Size	Cat No.	
350mm	Brillant 250.3, 255, 265 and similar machines		
FES	350 x 2.5 x 32mm	109841	£240.80
FEM (2HA)	350 x 2.5 x 32mm	109942	£197.00
FEH	350 x 2.5 x 32mm	109843	£236.40
F	355 x 1.4 x 32mm	109946	£236.40
T1	350 x 2.5 x 32mm	109848	£236.40
400mm	Brillant 255, 265, 275 and simil	ar machines	
FES	406 x 3.2 x 32mm	109952	£286.75
FEM	406 x 3.2 x 32mm	109953	£286.75
Т	406 x 1.5 x 32mm	1099408	£320.75
432mm	Brillant 275 and similar machine	es	
FESR	432 x 3.2 x 32mm	1099432R	£421.10
FEM	432 x 3.2 x 32mm	1099433	£384.90



Abrasive sectioning

Superfine Abrasive Cutting Wheels for Laboratory Precision Cutters

Туре	Use		Diameters	Туре	Use		Diameters
Type HNF	Superfine wheels for prec ferrous metals and super- bonded Al2O3		100- 180mm	Туре Т	Superfine wheels for precisi nium, aluminium and coppe Rubber bonded SiC		150- 180mm
All packs contain 5 cutting wheels							
Туре	Size	Cat no.	Price	Туре	Size	Cat no.	Price
100mm	Brillant 220 and similar machines			150mm	Brillant 220 and similar machines		
HNF	100 x 0.25 x 12.7mm	109915	£56.90	HNF	150 x 0.45 x 12.7mm	109903	£69.15
HNF	100 x 0.40 x 12.7mm	109901	£56.90	Т	150 x 0.45 x 12.7mm	109907	£70.33
125	Brillant 220 and similar machines			180mm	Brillant 220 and similar mac	chines	
125mm				HNF	180 x 0.8 x 12.7mm	101720	£75.80
HNF	125 x 0.45 x 12.7mm	109902	£64.15	Т	180 x 0.8 x 12.7mm	101728	£82.00

Diamond and CBN Cutting Wheels for Laboratory Precision Cutters

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

All packs contain 1 cutting wheel

Туре	Size	Cat no.	Price
75mm	Brillant 220 and similar	machines	
HC Diamond	75 x 0.15 x 12.7mm	100750	£304.95
LC Diamond	75 x 0.15 x 12.7mm	100751	£304.95
HC CBN	75 x 0.15 x 12.7mm	100760	£280.70

100mm	Brillant 220 and similar machines			
HC Diamond	100 x 0.30 x 12.7	101050	£369.05	
LC Diamond	100 x 0.30 x 12.7	101051	£369.05	
HC CBN	100 x 0.30 x 12.7	101060	£338.80	

125mm	Brillant 220 and similar machines			
HC Diamond	125 x 0.40 x 12.7mm	101250	£413.80	
LC Diamond	125 x 0.40 x 12.7mm	101251	£413.80	
HC CBN	125 x 0.40 x 12.7mm	101260	£369.05	

150mm	Brillant 220 and similar machines			
HC Diamond	150 x 0.50 x 12.7mm	101555	£536.00	
LC Diamond	150 x 0.50 x 12.7mm	101556	£536.00	
HC CBN	150 x 0.50 x 12.7mm	101560	£481.60	

175mm	Brillant 220 and similar machines			
HC Diamond	175 x 0.60 x 12.7mm	101850	£647.35	
LC Diamond	175 x 0.60 x 12.7mm	101851	£647.35	
HC CBN	175 x 0.60 x 12.7mm	101860	£538.45	

Diamond Cutting Wheels for Geological and Petrographic Cutters

Туре	Use	Diameters
Continuous Rim Metal bonded Diamond	For rocks and pe- trographic samples	100- 350mm
All packs contain 1 cutting wheel		
Size	Cat no.	Price
100 X 0.40mm	101040	£183.95
150 x 1.0mm	101540	£203.30
200 x 1.35mm	102040	£265.00
250 x 1.35mm	102540	£359.35
300 x 1.6mm	103040	£565.10
350 x 1.7mm	103540	£710.30
N.B. PLEASE SPECIFY ARBOUR SIZ	E WHEN ORDERING	
Petrothin 200 x 1.3 x 25.4	102045	£315.80

Diamond Cutting Wheels General Purpose

Туре	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	200- 350mm

All packs contain 1 cutting wheel

Туре	Size	Cat no.	Price
	200 x 1.5 x 32mm	102060	£393.25
	250 x 1.5 x 32mm	102560	£536.05
	300 x 1.5 x 32mm	103060	£617.10
	350 x 1.5 x 32mm	103560	£746.60



Precision Wafering Blades

2

• • ABRASIVE & PRECISION CUTTING • •

Туре	Size	Cat no.	Price
COOL Advanced cutting fluid for use in recirculating systems for lubricat			ition and
	1 litre	109001	£27.55
	5 litre	109005	£97.10
	1 infectant - add to coolant recirculatic wth and bad odours	on tank monthly	to prevent
	1 litre	109008	£32.15
DIALUB Advanced cu cutters	utting oil for use with diamond and C	CBN blades in p	recision
	1 litre	111100	£25.55
DIALUB 2 Synthetic, w precision cu	ater based lubricant for use with dia tters	mond and CBN	I blades in
	1 litre	111101	£25.55
ANTI-FOA			
To prevent e	excessive foaming of coolant fluid in r		
	60ml	109009	£13.40
	NDENSATION SPRAY vindow from getting steamed up with	n water condens	sation
io prevene v	100ml	95008900	£34.15
			201110
FILTER BA	65		
	265, 275, 285 recircs. each	92008739	£40.65
	200, 230, 250 recircs. each	92008741	£39.05
	200, 230, 250 plastic recircs. each	95007759	£39.05
	tank, steel, 290 x 150 x 190 each	92005993	£39.05
-	tank, steel, 250 x 200 x 155 each	95007760	£39.05
g	, <u></u> ,		233.03
DRESSING	STICK		
	diamond and CBN blades		
	12x12x150mm EA	109002	£23.50







QCut 350 A



MetPrep PARTNERS

Our Zeiss microscope range

Solutions for routine inspection through to fully automated analysis systems as well as custom solutions & upgrades - Our range includes stereo, upright & inverted compound, digital, confocal & automated slide scanning solutions for volume samples. Full portfolio of instruments available for demonstration at our applications laboratory or on site



Stemi & Discovery stereo microscope ranges

AxioLab, AxioScope, AxioImager, AxioVert & AxioObserver compound microscope

SmartZoom 5 digital microscope

LSM900 materials confocal Custom build – 8" wafer microscope with automated stage and focus

Our Zeiss workflow solutions and customised instruments

Particle Analyzer for quality control in the area of component and oil cleanliness - systems allow automated filter paper analysis with measurement of particles down to 2µm. Particle Analyzer software supports the standards for cleanliness testing ISO 16232, VDA 19.1 and oil analysis DIN 51455, ISO 4406, ISO 4407, NAS 1638 and SAE AS 4059. With the system solutions from ZEISS, you ensure that the required microscope settings are always selected correctly thus providing reliable, reproducible results. By carrying out correlative particle analysis direct to SEM you expand the depth of information contained within your findings to include the results of both elemental and materials characterization.





Our Zeiss software

for surface analysis

Starting with our free of charge ZEN starter & Lite products the ZEN modular platform allows task handling from simple image capture to fully automated solutions capable of performing fully automated, programmable & tailored solutions that include 3D capability and machine learning based image analysis.

Our solutions include modules for all materials requirements including:- Metallurgical analysis (grain, phase, porosity, coating, inclusion porosity, dendrite, de-carb, cast iron etc.

Particle analysis workflow solution - light microscope location & measurement through to elemental SEM analysis





INTRODUCING

The new family of XRF & LIBS hand held PMI analysis guns.

The revolutionary Z-9 hand held LIBS offers the widest wavelength range (190nm - 950nm) available for a hand held unit. Argon purge optics for extra sensitivity and all in a compact and solid construction With the ability to measure %Carbon in steels it is a revolutionary unit.

The X-550, the lightest, fastest, mot articulate X-Ray gun ever made. Perfectly balanced to aid long period field use. Covering the elemental range og Mg -U and the ability to sort AI alloys in 1-2 seconds, environmental packages, and the optimised for low limits on tramp elements makes this unit a market leader.





Price

Cat no.

Cold Mounting Systems

KI	FF	R-S	FT
		12-0	

Polyester resin/hardener system giv Curing time 40 mins.	ving glas	ss-clear mounts	
KLEER-SET FF Resin and Hardener	1kg	11 10 81	£43.50
KLEER-SET FF Resin and Hardener	5kg	11 10 82	£124.05

Pack

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.

TRI-HARD Kit - Regular (Powder, Liquid 1, Liquid 2)	1.5kg 500ml 1000ml	11 10 41	£171.45
TRI-HARD Kit - Large (Powder, Liquid 1, Liquid 2)	6kg 2000ml 4000ml	11 10 49	£659.35

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.

VARISET 10 Powder, soft, clear	1kg	11 10 27	£67.35
VARISET 20 Powder hard, green	1kg	11 10 28	£67.35
VARISET 10/20 Liquid	0.5lt	11 10 29	£31.90

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.

QUICK-SET 2 Powder, blue	1kg	11 10 35	£67.40
QUICK-SET 2 Liquid	0.5lt	11 10 36	£31.90

ACRI-KLEER

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

ACRI-KLEER Powder Clear	1kg	11 10 44	£102.75
ACRI-KLEER Liquid	1lt	11 10 47	£41.60

EPO-SET

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

Low Shrinkage			
EPO-SET Resin	1kg	11 10 61	£63.90
EPO-SET Hardener	250gm	11 10 62	£32.30
EPO-SET Resin	5kg	11 10 63	£268.50
EPO-SET Hardener	1kg	11 10 64	£107.50

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

'	0			
EPO-FLO	Resin	1kg	11 10 65	£68.30
EPO-FLO	Hardener	300gm	11 10 66	£40.00
EPO-FLO	Resin	3kg	11 10 67	£189.50
EPO-FLO	Hardener	1kg	11 10 68	£117.70

Mount	Mounting Accessories							
Moulds Fo	Moulds For Cold Mounting							
Round Sil	Round Silicone Rubber							
DIA	HEIGH	т						
25mm	20mm		1	11 30 (01 £10.75			
30mm	20mm		1	11 30 (02 £10.95			
32mm	20mm		1	11 30 (03 £11.30			
40mm	25mm		1	11 30 (05 £13.10			
50mm	25mm		1	11 30 (06 £19.25			
Rectangu	l ar Silicone	Rubber						
LENGTH	/ WIDTH /	HEIGHT						
55mm x 3	0mm x 22	mm	1	11 30 1	10 £21.10			
70mm x 4	0mm x 22	mm	1	11 30 1	11 £28.00			
100mm x	50mm x 2	2mm	1	11 30 1	12 £41.30			
MET-MO								
·· · · /	lene - 2 pa	rt	10	11.20	17			
30mm dia			10	11 30 1				
1 1/4" dia			10	11 30				
40mm dia	l		10	11 30 2	20 £27.20			
SILICONI	E mould rel	0350						
Silicone -		ease	400ml	11 30 2	23 £21.00			
Silicone -			100g	11 30 2				
Sincone	grease		1005	11 50 2	22 213.70			
MIXING	CUPS Grad	duated	100	11 30 3	30 £23.60			
STIRRING	S STICKS	Nooden	500	11 30 3	32 £17.35			

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	l Black	100	11 30 43	£30.00		
UNICLIP Plastic tripod	l Blue	100	11 30 44	£30.00		
UNICLIP Plastic tripod	l Red	100	11 30 45	£30.00		
UNICLIP Plastic tripod	l Green	100	11 30 46	£30.00		
UNICLIP Plastic tripod	l Yellow	100	11 30 47	£30.00		

CLAMP SPRING CLIPS

For mounting thin samples			
CLAMP Stainless Steel clip	100	11 30 40	£42.20
CLAMP Plastic clip	100	11 30 41	£42.20

SAMPLE IDENTIFICATION LABELS				
Self-adhesive labels	200	11 99 11	£6.35	
Plain backed labels	200	11 99 12	£7.20	



Vacuum impregnation unit

Cat no. Price

Pack

•

	Pack	Cat no.	Price		Pack	Cat no.	
Hot Mounting Co	mpounds						
PHENOLIC Mounting compounds for ge	eneral purpose a	applications,		EPO-MOUNT Glass filled epoxy resin for th		0	
economical in use.				Black	1kg	11 20 11	
BAKELITE S - Black					2.5kg	11 20 111	
Black phenolic	2.5kg	11 20 011	£36.95		20kg	11 20 112	
	25kg	11 20 07	£194.70				
EDGEMOUNIT				EPO-MOUNT 2 Epoxy resin for use with poor retention	r or damaged n	noulds for ulti	ma
EDGEMOUNT Mounting compound for im	proved edge ret	rention		Black	1kg	11 20 31	
Black	2.5kg	11 99 04	£74.15		2.5kg	11 20 32	
DIACK	U				25kg	11 20 33	
	25kg	11 99 05	£518.65		0		
				EPO-MOUNT 5F			
CONDUCTO-MOUNT				Fine grained epoxy resin for	ultimate edge r	etention	
Black conductive mounting		SEM		Black	1kg	11 20 29	
Black	2.5kg	11 99 01	£99.30		2.5kg	11 20 30	
	25kg	11 99 02	£554.10		25kg	11 20 37	
CONDUCTO-MOUNT 2				KLEER-MOUNT			
Improved black conductive retention - for SEM	compound, har	d with except	ional edge	Transparent acrylic resin, use specimens through the mou		ential to obse	rv
	11	11.00.00		Transparent	1kg	11 20 21	
Black	1kg	11 99 06	£63.15		2.5kg	11 20 95	
	2.5kg	11 99 07	£126.50		25kg	11 20 96	
	25kg	11 99 03	£757.75				

SPECIMEN PROTECTIVE LACQUER

Clear lacquer for specimen protection -anti-tarnish 400ml

11	30 25	£16.30
	50 25	210.50

QPress 50

Modular Programmable Mounting Press 50mm max







	Pack	Cat no.	Price
Grinding Stones			

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

Silicon Carbide Grinding stone for non-ferrous metals and titanium, Saphir 375, 350x40x90mm	EA	12 35 71	£353.30
Alumina Grinding stone for ferrous metals and super-alloys Saphir 375 330x40x90mm	EA	12 35 81	£314.60
Alumina Grinding stone for ferrous metals and super-alloys - without plate for Abraplan 350x45x38mm	EA	12 35 83	£302.50
Alumina Grinding stone for ferrous metals and super-alloys - without plate for Prepamatic 200x50x32mm	EA	12 20 81	£160.95

DIAMOND DRESSING TOOLS

for Saphir 375 and other planar g	rinders		
Multiple Diamond - short shank	EA	92006227	£261.10
Multiple Diamond - long shank	EA	92008648	£261.10

DIAMOND CUP GRINDING WHEELS

For Brillant 220 Precision Cutter			
Metal bonded, Coarse grit, 150mm dia	EA	92006607	£617.40
Resin bonded, Coarse grit, 180mm dia	EA	12 45 09	£525.55
Resin bonded, Standard grit, 180mm dia	EA	12 45 10	£525.55
Resin bonded, Medium grit, 180mm dia	EA	12 45 11	£525.55
Resin bonded, Fine grit, 180mm dia	EA	12 45 12	£525.55

ΕA

12 45 08

£525.55

FOR PETROTHIN

Resin bor	nded, 20	3mm dia
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QGRIND XL



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 diaEA16 20 15£20.20254mm diaEA16 25 15£25.30305mm diaEA16 30 15£32.60

MAGNOPLANE

A steel disc with one side adhesive coated to attach multiple plain SiC papers; for use on MAGNOBASE or NANOBASE200mm dia513 90 13£58.85254mm dia513 90 14£78.85305mm dia513 90 16£96.50

MAGNOPLATE

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

203mm dia	5	16 20 10	£35.50
254mm dia	5	16 25 10	£46.95
305mm dia	5	16 30 10	£54.40
305mm dia Stainless steel	EA	95006789	£24.60
extra thick Magnoplate			

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	£81.15
Grit size P80	25	12 20 51	£73.00
Grit size P120	25	12 20 53	£73.00
DISCS 250mm diameter			
Grit size P60	25	12 25 50	£130.85
Grit size P80	25	12 25 51	£116.80
Grit size P120	25	12 25 53	£116.80
DISCS 300mm diameter			
Grit size P60	25	12 30 50	£164.75
Grit size P80	25	12 30 51	£155.00
Grit size P120	25	12 30 53	£155.00

Pack Cat no. Price

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 or NANOBASE

DISCS 200mm diameter			
Grit size P80-100 Red	EA	9500 5521	£92.30
Grit size P300-320 Green	EA	9500 5522	£76.70
Grit size P500-600 Blue	EA	9500 5523	£74.30
Grit size P1000-1200 Yello	w EA	9500 5524	£74.30
DISCS 250mm diameter			
Grit size P80-100 Red	EA	9500 4310	£106.05
Grit size P300-320 Green	EA	9500 4311	£89.90
Grit size P500-600 Blue	EA	9500 4312	£87.50
Grit size P1000-1200 Yello	w EA	9500 4313	£87.50
DISCS 300mm diameter			
Grit size P80-100 Red	EA	9500 4314	£129.45
Grit size P300-320 Green	EA	9500 4315	£116.25
Grit size P500-600 Blue	EA	9500 4316	£116.25
Grit size P1000-1200 Yello	ow EA	9500 4317	£116.25

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 or NANOBASE

DISCS 200mm diameter			
Grit size P80-P100 Black	EA	12 20 00	£83.00
Grit size P120-P150 Blue	EA	12 20 01	£68.30
Grit size P220-P320 Green	EA	12 20 02	£64.20
Grit size P400-P600 Yellow	EA	12 20 03	£64.20
Grit size P1000 Red	EA	12 20 04	£64.20
DISCS 250mm diameter			
Grit size P80-P100 Black	EA	12 25 00	£92.00
Grit size P120-P150 Blue	EA	12 25 01	£80.50
Grit size P220-P320 Green	EA	12 25 02	£76.50
Grit size P400-P600 Yellow	EA	12 25 03	£76.50
Grit size P1000 Red	EA	12 25 04	£76.50
DISCS 300mm diameter			
Grit size P80-P100 Black	EA	12 30 00	£123.60
Grit size P120-P150 Blue	EA	12 30 01	£107.70
Grit size P220-P320 Green	EA	12 30 02	£103.00
Grit size P400-P600 Yellow	EA	12 30 03	£103.00
Grit size P1000 Red	EA	12 30 04	£103.00

MetPrep TECHNICAL DATA SHEETS. Provide further information about our products. Find them ON-LINE at: www.metprep.co.uk/downloads-support/technical-data-sheets

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.

FINE GRINDING

Steel backed for use on MAGNOBASE or NANOBASE

CAMEO SILVER

For Medium Hard to very hard materials, >400HV **F** A

200mm dia	EA	12 20 10	£76.50
250mm dia	EA	12 25 10	£88.30
300mm dia	EA	12 30 10	£100.05

CAMEO GOLD

For soft ferrous and non-ferrous materials

200mm dia	EA	12 20 15	£76.50
250mm dia	EA	12 25 15	£88.30
300mm dia	EA	12 30 15	£100.05

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 or NANOBASE

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	£124.55
Grit size 40 micron	EA	14 20 37	£124.55
Grit size 75 micron	EA	14 20 38	£129.45
DISCS 250mm			
Grit size 10 micron	EA	14 25 34	£199.00
Grit size 40 micron	EA	14 25 37	£199.00
Grit size 75 micron	EA	14 25 38	£206.35
DISCS 300mm			
Grit size 10 micron	EA	14 30 34	£285.70
Grit size 40 micron	EA	14 30 37	£285.70
Grit size 75 micron	EA	14 30 38	£293.10

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

carefully removed			
DISCS 200mm			
Grit size 3 micron	EA	14 20 42	£100.10
Grit size 9 micron	EA	14 20 44	£100.10
Grit size 30 micron	EA	14 20 46	£100.10
DISCS 250mm			
Grit size 3 micron	EA	14 25 42	£184.35
Grit size 9 micron	EA	14 25 44	£184.35
Grit size 30 micron	EA	14 25 46	£184.35
DISCS 300mm			
Grit size 3 micron	EA	14 30 42	£222.20
Grit size 9 micron	EA	14 30 44	£222.20
Grit size 30 micron	EA	14 30 46	£222.20

INTRODUCING THE QPOL VIBRO

With a removable bowl and a magnetic base to allow easy cleaning and cloth changing, the QPOL Vibro makes its use in the laboratory simple and very effective..

Quiet operation, and with a lift up lid it is the ideal addition to the laboratory to get that perfect finish.

The QPOL Vibro is designed to create a deformation free surface. Ideal when preparing materoials for EBSD (electron backscatte detection) in a repeatbale and timely manner.

Those involved with nano identification and AFM (atomic force microscopy) will also find the improved surface quality advantageous.





Qcut 150 M/A

INTRODUCING NEW additions to the QCut family



The Qcut 150 M is a simple manual precision cutter capable of taking a 203mm blade like its more advanced companion the Qcut 150 A but without the auto & force controlled feed options.

Both cut off machines can be used for routine sectioning and grinding, or with the optional table attachment, they can be used as a safe and stable trim saw.



THE QPOL 300 A1-ECO+





- Cut-off Machines
- Hot mounting press
- Grinding, Polishing, etching
- Consumables
- Accessories and Clamping tools
- Hardness testers
- Analysis software
- System lab

MetPrep PARTNER • •

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Customized solutions



	31	icon care	nue vvai
	Pack	Cat no.	Price
Plain Backed Discs can be us	sed with MA	GNOPI ANE	
DISCS 200mm Dia Plain backed		GINOTEANE	
Grit size P60	100	13 99 00	£56.05
Grit size P80	100	13 99 01	£51.15
Grit size P120	100	13 99 03	£45.40
Grit size P180	100	13 99 05	£39.65
Grit size P240	100	13 99 07	£39.65
Grit size P320	100	13 99 09	£39.65
Grit size P400 Grit size P600	100	13 99 10 13 99 12	£39.65
Grit size P800	100	13 99 12	£39.65
Grit size P1200	100	13 99 15	£39.65 £39.65
Grit size P2500	100	13 99 18	£63.00
Grit size P4000	100	13 99 19	£104.95
DISCS 230mm Dia Plain Backed			
Grit size P60	100	13 23 00	£71.50
Grit size P80	100	13 23 01	£62.20
Grit size P120	100	13 23 03	£53.30
Grit size P180	100	13 23 05	£48.75
Grit size P240	100	13 23 07	£48.75
Grit size P320	100	13 23 09	£48.75
Grit size P400	100	13 23 10	£48.75
Grit size P600	100	13 23 12	£48.75
Grit size P800	100	13 23 13	£48.75
Grit size P1200	100	13 23 15	£48.75
Grit size P2500	100	13 23 18	£73.55
Grit size P4000	100	13 23 19	£131.40
DISCS 250mm Dia Plain Backed			
Grit size P60	100	13 25 00	£90.65
Grit size P80	100	13 25 01	£90.83 £84.10
Grit size P120	100	13 25 03	£62.20
Grit size P180	100	13 25 05	£57.60
Grit size P240	100	13 25 07	£57.60
Grit size P320	100	13 25 09	£57.60
Grit size P400	100	13 25 10	£57.60
Grit size P600	100	13 25 12	£57.60
Grit size P800	100	13 25 13	£57.60
Grit size P1200	100	13 25 15	£57.60
Grit size P2500	100	13 25 18	£88.15
Grit size P4000	100	13 25 19	£171.30
DISCS 305mm Dia Plain Backed	100	12.00.20	8 69/8 1/11
Grit size P60 Grit size P80	100 100	13 99 30 13 99 31	£120.55
Grit size P120	100		£96.55
Grit size P180	100	13 99 33 13 99 35	£80.95
Grit size P220	100	13 99 36	£73.80
Grit size P240	100	13 99 37	£73.80
Grit size P320	100	13 99 39	£73.80 £73.80
Grit size P400	100	13 99 40	£73.80
Grit size P500	100	13 99 41	£73.80
Grit size P600	100	13 99 42	£73.80
Grit size P800	100	13 99 43	£73.80
Grit size P1000	100	13 99 44	£73.80
Grit size P1200	100	13 99 45	£73.80
Grit size P2400	100	13 99 47	£270.60
Grit size P2500	100	13 99 48	£124.00
Grit size P4000	100	13 99 49	£235.50
ROLLS 76mm x 20m		and been starting of starting of	
Crit size P120	EA	13 80 03	£24.70
Grit size P180	EA	13 80 05	£21.80
Grit size P240	EA	13 80 07	£21.80
Grit size P320	EA	13 80 09	£21.80
Grit size P400	EA	13 80 10	£21.80
Grit size P600	EA	13 80 12	£21.80
Grit size P800 Crit size P1200	EA	13 80 13	£21.80
Grit size P1200	LA	13 80 15	£21.80

DISCS 200mm Dia Adhesive B Grit size P60	100	13 20 50	
Grit size P80	100		£89.35
		13 20 51	£84.10
Grit size P120 Grit size P180	100	13 20 53 13 20 55	£72.60
Grit size P240	100		£64.80
	100	13 20 57	£64.80
Grit size P320	100	13 20 59	£64.80
Grit size P400	100	13 20 60	£64.80
Grit size P600	100	13 20 62	£64.80
Grit size P800	100	13 20 63	£64.80
Grit size P1200	100	13 20 65	£64.80
Grit size P2500	100	13 20 68	£91.27
Grit size P4000	100	13 20 69	£159.70
DISCS 250mm Dia Adhesive B	acked		
Srit size P60	100	13 25 50	£127.10
Grit size P80	100	13 25 51	£118.9
Grit size P120	100	13 25 53	£103.4
Grit size P180	100	13 25 55	£93.15
Grit size P240	100	13 25 57	£93.15
Grit size P320	100	13 25 59	£93.15
Grit size P400	100	13 25 60	£93.15
Grit size P600	100	13 25 62	£93.15
Grit size P800	100	13 25 63	£93.15
Grit size P1200	100	13 25 65	£93.15
Grit size P2500	100	13 25 68	£137.0
Grit size P4000	100	13 25 69	£183.7
DISCS 305mm Dia Adhesive B	acked		
Grit size P60	100	13 30 50	£180.6
Grit size P80	100	13 30 51	£168.4
Grit size P120	100	13 30 53	£160.7
Grit size P180	100	13 30 55	£137.4
Grit size P240	100	13 30 57	£137.4
Grit size P320	100	13 30 59	£137.4
Grit size P400	100	13 30 60	£137.4
Crit size P600	100	13 30 62	£137.4
Grit size P800	100	13 30 63	£137.4
Grit size P1200	100	13 30 65	£137.4
Grit size P2500	100	13 30 68	£177.5
Grit size P4000	100	13 30 69	£272.8

Grit size P60	10	13 51 00	£66.15
Grit size P80	10	13 51 01	£62.55
Grit size P120	10	13 51 03	£56.30
Grit size P180	10	13 51 05	£56.30
Grit size P240	10	13 51 07	£56.30
Grit size P400	10	13 51 10	£56.30

ALUMINIUM OXIDE cloth belts 100mm x 915mm

Grit size P60	10	13 99 80	£62.30
Grit size P80	10	13 99 81	£54.80
Grit size P120	10	13 99 83	£52.35
Grit size P180	10	13 99 85	£52.35
Grit size P240	10	13 99 87	£52.35
Grit size P400	10	13 99 90	£52.35

GRIT GRABBERS

Double sided adhesive discs for use with plain backed SiC papers.

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Can	DG	usea	repeated	y.

entre entre entre presentation (c.			
200mm dia	10	13 90 03	£32.35
254mm dia	10	13 90 04	£52.55
305mm dia	10	13 90 06	£65.85
Aerosol Spray Adhesive	400ml	13 90 05	£20.95

Pack Cat no. Price

INTRODUCING

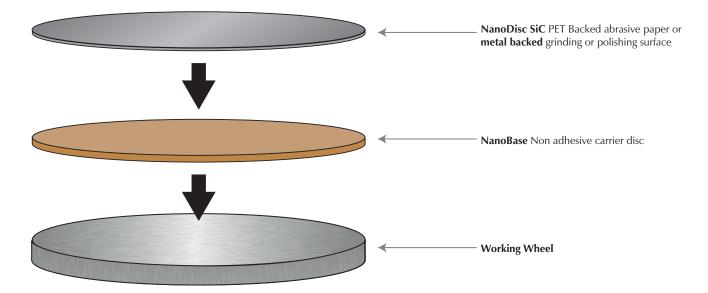
MetPrep NanoFix System Premium Application adhesive free grinding

Metprep have introduced our new NanoFix system which uses the latest advances in nano surface technology to bond the abrasive discs without the use of PSA backing. For use with Nanodisc SiC adhesive free grinding papers that have a PET backing which promotes a wrinkle free surface when laid down on the NanoBase.

Metal backed grinding and polishing surfaces may also be used. As an adhesive free system each component can be re-used as required. The high-performance NanoDisc abrasive papers may also be used on any similar system that utilises a suitable non-adhesive surface for fixation to the platen. Your existing grinder can easily be adapted to accept the new NanoFix system

The MetPrep NanoFix System comprises:

- NanoBase reusable non-adhesive carrier disc
- NanoDisc SiC PET backed Silicon Carbide Waterproof Abrasive Paper discs
 Metal backed Grinding Surfaces and Polishing Cloths



To adopt the MetPrep NanoFix System, the following new items are available:

	Pack	Cat no.	Price				
NanoBase – reusable non-adhesive, double sided carrier disc for attachment to a working wheel							
250mm	EA	95003607	168.15				
300mm	EA	95003608	198.35				
350mm	EA	95014566	301.20				
NanoDisc SiC- PET backed Silicon	n Carbide	e Waterproof A	brasive				
Paper discs 250mm dia							
Grit size P120	100	132573	112.50				
Grit size P180	100	132575	99.20				
Grit size P240	100	132577	99.20				
Grit size P320	100	132580	99.20				
Grit size P600	100	132582	99.20				
Grit size P800	100	132583	99.20				
Grit size P1200	100	132585	99.20				
Grit size P2500	100	132588	145.15				

	Pack	Cat no.	Price
NanoDisc SiC- PET backed Silicor	Carbide	e Waterproof	Abrasive
Paper discs 300mm dia			
Grit size P120	100	133073	157.25
Grit size P180	100	133075	135.50
Grit size P240	100	133077	135.50
Grit size P320	100	133080	145.15
Grit size P600	100	133082	145.15
Grit size P800	100	133083	145.15
Grit size P1200	100	133085	145.15
Grit size P2500	100	133088	193.55
NanoDisc SiC- PET backed Silicon	Carbide	e Waterproof	Abrasive
Grit size P120	100	134073	218.95
Grit size P180	100	134075	196.00
Grit size P240	100	134077	196.00
Grit size P320	100	134080	196.00
Grit size P600	100	134082	196.00
Grit size P800	100	134083	196.00
Grit size P1200	100	134085	196.00
Grit size P2500	100	134088	272.15

Primary Polishing Cloths

ABRACLOTH M A hard coarse	e weave sy	nthetic material	for
intermediate grinding and prim	ary polishi	ng. Use with 15	or 9
micron diamond			
203mm dia	5	17 20 40	£81.60
254mm dia	5	17 25 40	£111.95
305mm dia	5	17 30 40	£136.40

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

		0	,				0
2	.03r	nm dia			5	17 20 62	£115.45
2	.54r	nm dia			5	17 25 62	£163.25
3	05r	nm dia			5	17 30 62	£202.80

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	£66.45
254mm dia	5	17 25 61	£82.80
305mm dia	5	17 30 61	£109.60

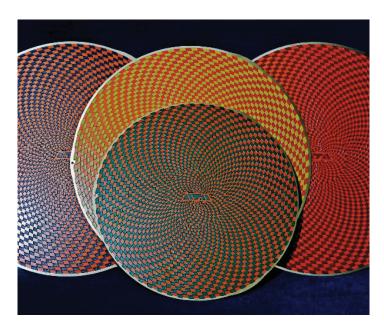
 $\ensuremath{\text{NYLAP CLOTH M}}$ A hard napless cloth with long life for prepolishing of all materials. 6-15 micron diamond

203mm dia	5	17 20 50	£64.15
254mm dia	5	17 25 50	£88.60
305mm dia	5	17 30 50	£113.10

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

damani, superanojs and seeds. s	, and o i	incron diamona	
203mm dia	5	17 20 52	£58.30
254mm dia	5	17 25 52	£75.80
305mm dia	5	17 30 52	£92.10

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



Galaxy Diamond Grinding Discs

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	£75.80
254mm dia	5	17 25 70	£120.10
305mm dia	5	17 30 70	£134.10

TROUNOIRE M A dense sho 6-1/4 micron diamond	ort napped clo	oth for final poli	shing.
203mm dia	5	17 20 95	£71.15
254mm dia	5	17 25 95	£110.75
305mm dia	5	17 30 95	£120.10

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	£58.30
254mm dia	5	17 25 94	£73.45
305mm dia	5	17 30 94	£83.95

MEMPHIS CLOTH M A heavy duty cloth with medium nap for final poliching using diamond 2 micron or loss

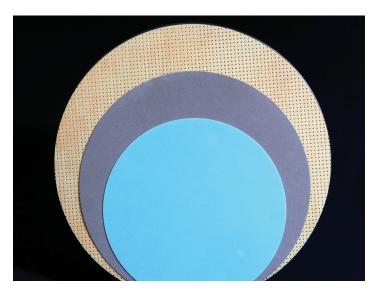
linal polisning using diamond,	3 micron of	riess	
203mm dia	5	17 20 96	£59.50
254mm dia	5	17 25 96	£94.45
305mm dia	5	17 30 96	£104.95

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

203mm dia	5	17 20 92	£58.30
254mm dia	5	17 25 92	£73.50
305mm dia	5	17 30 92	£83.95

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

203mm dia	5	17 20 91	£90.95
254mm dia	5	17 25 91	£130.60
305mm dia	5	17 30 91	£165.55



Polishing Cloths

	Pack	Cat no.	Price
Primary Polishi	ing Cloths		
ABRACLOTH A hard coa grinding and primary polish			
203mm dia	5	16 20 40	£54.2
254mm dia	5	16 25 40	£81.1
305mm dia	5	16 30 40	£95.0
PLANOCLOTH H A per resistant cloth. For rapid sto relief free specimens. 6 mic	ock removal from hard	l materials produ	
resistant cloth. For rapid sto	ock removal from hard	l materials produ	icing flat,
resistant cloth. For rapid sto relief free specimens. 6 mic	ock removal from hard cron diamond and larg	l materials produ ger	

flat, relief free specimens. 3 micron	diamond ar	nd larger	
203mm dia	5	16 20 61	£42.10
254mm dia	5	16 25 61	£60.65

254mm dia	5	16 25 61	£60.65
305mm dia	5	16 30 61	£98.90

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

203mm dia	5	16 20 50	£45.70
254mm dia	5	16 25 50	£64.85
305mm dia	5	16 30 50	£88.30

DURASILK For coarse polishing of tough materials, e.g. titanium,

superalloys and steels. 3 and 6 micron diamond				
203mm dia	5	16 20 52	£50.75	
254mm dia	5	16 25 52	£62.40	
305mm dia	5	16 30 52	£69.40	

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

Final Polishing Cloths

CASHMERE CLOTH The softest virgin wool cloth specially prepared to
produce flat polished surfaces. diamond or oxide abrasives, 15-1 micron203mm dia516 20 70£63.00254mm dia516 25 70£95.65305mm dia516 30 70£106.15

TROUNOIRE A der diamond	nse short napped clo	oth for final polishing	. 6-1/4 micron
203mm dia	5	16 20 95	£46.90
254mm dia	5	16 25 95	£60.65
305mm dia	5	16 30 95	£78.10

ALPHACLOTH A versatile synthetic short nap clth 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	£37.90
254mm dia	5	16 25 94	£52.25
305mm dia	5	16 30 94	£60.65

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

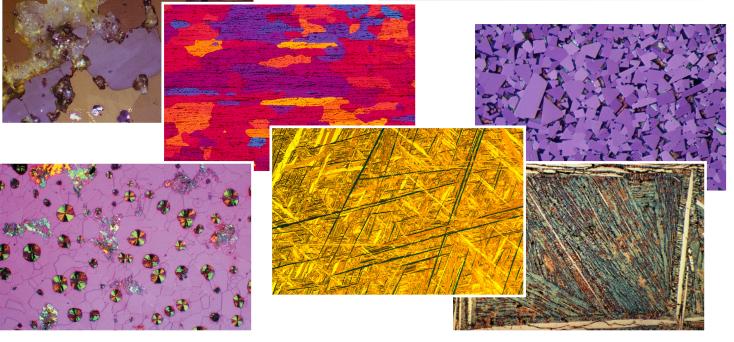
0 0			
203mm dia	5	16 20 96	£40.25
254mm dia	5	16 25 96	£52.00
305mm dia	5	16 30 96	£67.30

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

203mm dia	5	16 20 92	£32.40
254mm dia	5	16 25 92	£43.30
305mm dia	5	16 30 92	£52.80

CHEMICLOTH 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

5	16 20 91	£68.36
5	16 25 91	£104.50
5	16 30 91	£135.30
	5 5 5	5 16 25 91



Pack Cat no. Price

Price

Monocrystalline	Мо	nocr	vstal	line
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DIAMOND compound, wate	er based in disposa	hle svringes	
Micron size 1/4 Grey	5g	15 99 02	£12.20
Micron size 1/4 Grey	20g	15 99 04	£38.85
Micron size 1 Blue	5g	15 99 06	£11.25
Micron size 1 Blue	20g	15 99 08	£32.90
Micron size 3 Green	5g	15 99 10	£16.20
Micron size 3 Green	20g	15 99 12	£51.80
Micron size 6 Yellow	5g	15 99 14	£16.20
Micron size 6 Yellow	20g	15 99 16	£51.80
Micron size 9 Red	5g	15 99 18	£23.15
Micron size 9 Red	20g	15 99 20	£70.30
Micron size 15 Brown	5g	15 99 22	£23.15
Micron size 15 Brown	20g	15 99 24	£70.30
Micron size 30 Mahogany	5g	15 99 26	£23.15
Micron size 30 Mahogany	20g	15 99 28	£70.30
Micron size 45 Purple	5g	15 99 30	£23.15
Micron size 45 Purple	20g	15 99 32	£70.30

Pack

Cat no.

DIASPRAY - Diamor	l aerosol, water based,	manually pre	essurised
Micron size 1/4 Grey	250ml	15 42 31	£34.95
Micron size 1 Blue	250ml	15 42 32	£25.85
Micron size 3 Green	250ml	15 42 33	£25.85
Micron size 6 Yellow	250ml	15 42 34	£35.15
Micron size 9 Red	250ml	15 42 35	£35.15
Micron size 15 Brown	250ml	15 42 36	£37.40
Micron size 30 Mahoga	y 250ml	15 42 37	£37.40
Micron size 45 Purple	250ml	15 42 38	£37.40

DIAMOND Suspensions, water based with trigger spray

Micron size 1/4 Grey	400ml	15 99 44	£53.20
Micron size 1 Blue	400ml	15 99 48	£38.85
Micron size 3 Green	400ml	15 99 52	£43.00
Micron size 6 Yellow	400ml	15 99 56	£53.20
Micron size 9 Red	400ml	15 99 60	£53.20
Micron size 15 Brown	400ml	15 99 64	£57.20
Micron size 30 Mahogany	400ml	15 99 66	£57.20
Micron size 45 Purple	400ml	15 99 68	£57.20
Micron size 90 Clear	400ml	15 99 76	£89.10

DIAMOND Suspensions, water based, refill bottles

1 /	,		
Micron size 1/4 Grey	1lt	15 98 44	£107.10
Micron size 1 Blue	1lt	15 98 48	£73.10
Micron size 3 Green	1lt	15 98 52	£73.10
Micron size 6 Yellow	1lt	15 98 56	£108.05
Micron size 9 Red	1lt	15 98 60	£114.45
Micron size 15 Brown	1lt	15 98 64	£114.45
Micron size 30 Mahogany	1lt	15 98 66	£114.45
Micron size 45 Purple	1lt	15 98 68	£114.45

DIAMOND Suspensions, oil based with trigger spray

Micron size 1/4 Grey	400ml	15 99 43	£53.20
Micron size 1 Blue	400ml	15 99 47	£38.85
Micron size 3 Green	400ml	15 99 51	£38.85
Micron size 6 Yellow	400ml	15 99 55	£53.20
Micron size 9 Red	400ml	15 99 59	£53.20
Micron size 15 Brown	400ml	15 99 63	£57.20
Micron size 30 Mahogany	400ml	15 99 65	£57.20
Micron size 45 Purple	400ml	15 99 67	£57.20

	DIAMET Diamond Suspension - Unique compound formulation, self				
lubricating for maximum economy, with trigger spray					
	Micron size 1/4 Grey		500ml	15 99 33	£31.05
	Micron size 1 Blue		500ml	15 99 34	£31.05
	Micron size 3 Green		500ml	15 99 35	£31.05
	Micron size 6 Yellow		500ml	15 99 36	£31.05
	Micron size 9 Red		500ml	15 99 37	£31.05

Pack

500ml

Cat no.

15 99 38

Price

£31.05

Lubricants

Micron size 15 Brown

MetPrep Diamond Lubricant, water based, Yellow					
Aerosol - pump up	250ml	15 50 00	£9.45		
Bottle	1lt	15 50 01	£10.60		
Bottle	2.5 lt	15 50 02	£23.35		
MetPrep Diamond Lubricant, wa	ater/oil base	ed, Pink			
Bottle	1lt	15 50 12	£15.35		
MetPrep Diamond Lubricant, al	cohol based	d, Blue			
Bottle	1lt	15 50 08	£18.95		
Bottle	2.5 lt	15 50 09	£33.00		
MetPrep Diamond Lubricant, oi	l based, Re	d			
Bottle	2.5 lt	15 50 04	£24.00		
DISPENSERS Trigger Spray attachment	EA	15 51 02	62.00		
Pump up refillable aerosol, 250ml	EA	15 51 02	£3.90		
rump up remiable aerosol, 250m	LA	15 51 05	£8.30		



METPREP DIAMOND POLISHING MEDIA

MetPrep Materials Safety Data Sheets (MSDS). Provide further information about our products. Find them ON-LINE at: www.metprep.co.uk/downloads-support/sds

	POLISTI		MPOU
	Pack	Cat no.	Price
Polycrystalline			
DIAMOND compound, wate	er based, in dis	oosable syring	ges
Micron size 1/4 Grey	10g	15 98 04	£48.45
Micron size 1 Blue	10g	15 98 08	£48.45
Micron size 3 Green	10g	15 98 12	£58.40
Micron size 6 Yellow	10g	15 98 16	£80.90
Micron size 9 Red	10g	15 98 20	£80.90
Micron size 15 Brown	10g	15 98 24	£80.90
DIASPRAY - Diamond aeroso	ol, water based	, manually pr	essurised
Micron size 1/4 Grey	250ml	15 42 41	£47.35
Micron size 1 Blue	250ml	15 42 42	£47.35
Micron size 3 Green	250ml	15 42 43	£49.65
Micron size 6 Yellow	250ml	15 42 44	£50.70
Micron size 9 Red	250ml	15 42 45	£50.70
Micron size 15 Brown	250ml	15 42 46	£50.70
DIAMOND Suspensions, wat	ter based with t	trigger spray	
Micron size 1/4 Grey	400ml	15 42 61	£70.85
Micron size 1 Blue	400ml	15 42 62	£70.85
Micron size 3 Green	400ml	15 42 63	£74.10
Micron size 6 Yellow	400ml	15 42 64	£75.70
Micron size 9 Red	400ml	15 42 65	£75.70
Micron size 15 Brown	400ml	15 42 66	£75.70
DIAMOND Suspensions, wat	ter based, refill	bottles	
Micron size 1/4 Grey	1lt	15 41 41	£107.90
Micron size 1 Blue	1lt	15 41 42	£107.90
Micron size 3 Green	1lt	15 41 43	£139.50
Micron size 6 Yellow	1lt	15 41 44	£142.75
Micron size 9 Red	1lt	15 41 45	£142.75
Micron size 15 Brown	1lt	15 41 46	£142.75
POLYMET Suspension - wate	r based, specia	l formula for	dramatic
reduction in polishing times	100 1	4 - 6	
Micron size 1 Blue	400ml	15 98 82	£67.40
Micron size 3 Green	400ml	15 98 83	£70.50
Micron size 6 Yellow	400ml	15 98 84	£72.15
Micron size 9 Red	400ml	15 98 85	£72.15
	100.1	15 00 00	



400ml

15 98 86

£72.15

METPREP OXIDE POLISHING MEDIA

Micron size 15 Brown

Polishing Silica

SILCO Colloidal Silica suspens	sion high con	contration	
	0		
Micron size 0.06	1lt	15 99 97	£32.65
Micron size 0.06	5lt	15 99 99	£124.65
Micron size 0.06	25lt	15 99 98	£441.95
	on		

Pack

Cat no.

Price

OPUS Non crystallising Colloidal Silica suspension, high concentration, suitable for use with automatic peristaltic dosers					
Micron size 0.04	1lt	15 97 80	£43.30		
Micron size 0.04	2.5lt	15 97 81	£103.70		
Micron size 0.04	5lt	15 97 82	£189.95		

Polishing Alumina

ALPHA - Dry Powde	r		
Micron size 1.0	500	g 15 99 80	£10555
Micron size 1.0	2.0k	g 15 99 81	£404.95
Micron size 0.3	500	g 15 99 82	£105.55
Micron size 0.3	2.0k	g 15 99 83	£404.95
GAMMA - Dry Powo	ler		
Micron size 0.05	500	g 15 99 84	£105.55
Micron size 0.05	2.0k	g 15 99 85	£404.95
AQUEOUS Suspensi	ons		
Alpha Micron size 5.0	1lt	15 99 89	£46.30
Alpha Micron size 1.0	1lt	15 99 91	£53.55
Alpha Micron size 0.3	1lt	15 99 93	£53.55
Gamma Micron size 0.0)5 1lt	15 99 95	£53.55

Silicon Carbide Grit Size Comparison Chart

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	

METALLOGRAPHIC ACCESSORIES

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)	TBC

EVOlution Accessories & Spare Parts

Motor, super-torque, brushless	PGENESKA250T	TBC
Power cord for PGENESKA250T motor	PGENESKACABLE	TBC
Handpiece, angle 90 degree (CHC collet)	PGIC390	TBC
Handpiece, angle, 45 degree (CHC collet)	PGKC345	твс
Handpiece, straight, rapid-chuck (CHH collet)	PGIH300	твс
Handpiece, straight, deep holes (CHM collet)	PGMH300	твс
Handpiece, torque type (CHG collet)	PGHG210	твс
Mini belt sander attachment	PGBS100	твс
Extension Element, reduction gear	PGRG01	твс
Extension Element	PGCN01	твс
Replacement collets 3.0mm	PGCHC3	твс
Rubber disc holder, 30mm diameter (Pck of 5)	PGPT030X5	TBC

	Pack	Cat no.	Price
Portable Grinding and	Polishing	Materials	
Grinding Discs, 32mm dia, psa	-		
Grit size P60	100	13 03 00	£29.90
Grit size P120	100	13 03 03	£29.90
Grit size P240	100	13 03 07	£29.90
Grit size P400	100	13 03 10	£29.90
Grit size P600	100	13 03 12	£29.90
Grit size P1200	100	13 03 15	£29.90
Delishing Clathe 20mm dia ma			
Polishing Cloths, 32mm dia, psa Durasilk, psa	25	16 03 52	624.20
Trounoire,psa	25	16 03 95	£24.30
Cashmere Cloth, psa	25	16 03 55	£25.19
Planocloth, psa	25	16 03 61	£23.90
Alphacloth, psa	25	16 03 94	£23.90
HS Blue	25	16 03 94	£23.90
HS Green	25	16 03 98	£37.30
TIS GIEEN	23	10 03 99	£37.30
DIAMOND compound, water b	ased, in disp	osable syring	es
Micron size 1 Blue	5g	15 99 06	£11.25
Micron size 6 Yellow	5g	15 99 14	£16.20
Micron size 15 Brown	5g	15 99 22	£23.15
MetPrep Lubricant, Aerosol - pump up	250ml	15 50 00	£9.45
Portable Replicating Ma	aterials		
Acetate Replica sheet, 35micron	20	AAG255	£25.20
Acetate Replicating tape, 125 micro	n 19mm x 4.5m	AAG3882	£78.15
Microset Cartridge 101RFB	50ml	MC50	£48.70

500g

265ml

ΕA

10

50

M121F

101RF

DG50

NP10

NP50

Microset Replifix Putty - (fast cure)

Microset Cartridge 101RF

Microset Dispensing gun

Microset Nozzle pack

Microset Nozzle pack

Ultraso	nic Cleane	ers			
Units with	timer, variabl	e heater, lid	and baske	t	
MODEL	CAPACITY	TANK SIZE			
U300H	2.5 litres	240L x 140	DW x 100E)	£485.00
U500H	4.5 litres	300L x 150	DW x 150E)	£940.00
Q\$12	12.5 litres	295L x 245	5W x 140D)	£1,804.00
			Pack	Cat no.	Price
			Fack	Cal IIO.	Frice
Ultraclean	1 Ultrasonic cle	eaning fluid co	ncentrate, su	itable for ferr	ous materials
			1 lt	18 00 02	£22.75
			5 lt	18 00 03	£96.55
Ultraclea	1 2 Ultrasonic o	cleaning fluid	concentrate	suitable for	non-ferrous
	g. aluminium, o	0	concentrate	, suitable for	non renous
			1 lt	18 00 04	£22.70
Vacuun	n and Pres	sure Im	oregnati	on Units	6
	DUR Vacuum I				
	tations and vacu			0	
			EA	M6500001	£2,841.00
SINGLE-P	OUR, Vacuum	Impregnatio	n unit and y	acuum numi	2
SHIGEL-I	COR, Vacduli	impregnatio	EA	CA9117	£1,368.70

TECHNOMAT Pressure Chamber for use with EPO-FLO mounting compound to produce glass-clear mounts 11 30 50 ΕA £791.00

Laboratory Compressor

BAMBI Compressor,	Oil free,	Ultra low	noise	340h x 400w x	: 330d (mm)
			EA	PT5	ТВС

Specimen Driers

Specimen Drier,	Bench Mounted	EA	A5810355	£853.00
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Specimen Levelling Press for Microscopy

Plasticene for use with the	500g	19 04 01	£19.35
Specimen Levelling Press			

Miscellaneous Accessories

Fastener Vice - Miniature vice for small samples such as fasteners for longitudinal sectioning	EA	C10050	£443.00
Electric Engraver with metal point for micro-sample identification	EA	19 00 00	£91.85
Cotton Wool for etch swabbing and micro-cleaning	500g	19 99 01	£9.45
Vinyl Gloves, disposable	100	19 99 05	£22.20
Selvyt Cloth Squares with bound edges 250mmx250mm	10	16 99 99	£47.65
Specimen Protective Lacquer for coating specimens to prevent tarnish	400ml	11 30 25	£16.25

£68.90

£141.40

£68.30

£17.80

£76.05

Vickers Reference Hardness Blocks

NOMINAL VICKERS REFERENCE HARDNESS BLOCK VALUES	
40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950.	£548.00
Standard Loads (kg) available HV2, HV3, HV5, HV10, HV20, HV3 HV100.	80, HV50,
Additional UKAS Load Calibrations for individual block	£345.00
UKAS Recalibrations of existing blocks (Pass or Fail)	£345.00
All blocks are supplied with UKAS Certification to BS EN ISO 6507-3 and ASTM E92	
Block size 64mm diameter x 15mm thickness	

NOMINAL LOW FORCE VICKERS & MICRO VICKERS

REFERENCE HARDNESS BLOCK VALUES 40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950. Low force loads (kg) available HV1, HV0.5, HV0.3, HV0.2, HV0.1, HV0.050, HV0.025, HV0.010.	2734.00
	E 456.00 E 456.00 3.

Knoop Reference Hardness Blocks

NOMINAL LOW FORCE KNOOP & MICRO KNOOP

REFERENCE HARDNESS BLOCK VALUES	
40, 70, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950.	£734.00
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	£456.00
Recalibrations of existing blocks (Pass or Fail)	£456.00
All blocks are supplied with a traceable laboratory certificate to AS	STM F384

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
MACRO VICKERS		
STANDARD TYPES:V1 002, V1 006, V1016, V1 017, V1 018, V1 019, V1 020.	£508.00	£441.00
Repair of Macro Vickers Indenters (all types)	£446.00	£402.00
UKAS Certification of Macro Vickers Indenters all types (Pass or Fail)	£381.00	
MICRO VICKERS		
STANDARD TYPES: VI 009, VI 012, VI 013, VI 014.	£696.00	£644.00
NON STANDARD: VI 010, VI 024.	£785.00	£734.00
Repair of Micro Vickers Indenters (all types)	£485.00	£441.00
UKAS Certification of Micro Vickers Indenters all types (Pass or Fail)	£393.00	
MACRO KNOOP		
TYPES KI 007, KI 008, KI 009.	£508.00	£441.00
Repair of Macro Knoop Indenters (all types)	£446.00	£402.00
UKAS Certification of Macro Knoop Indenters all types (Pass or Fail)	£381.00	
MICRO KNOOP		
TYPES KI 002, KI 003, KI 004, KI 005,	£696.00	£642.00
Repair of Micro Knoop Indenters (all types)	£485.00	£441.00
UKAS Certification of Micro Knoop Indenters all types (Pass or Fail)	£393.00	

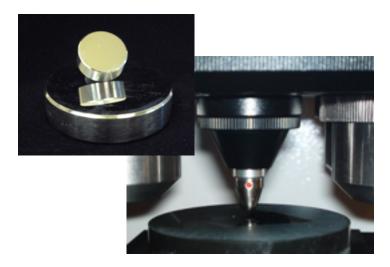
Rockwell & Superficial Reference Hardness Blocks

NUCK	wen a supernetar kererenee maranes.	5 DIUCKS			
SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE			
HRC	20, 25, 30, 35, 40, 45, 50, 55, 60, 63, 65, 67.	£310.00			
HRA	60, 63, 65, 68, 70, 73, 76, 78, 81, 83, 84, 85.	£310.00			
HRD	40, 44, 48, 52, 56, 60, 64, 67, 71, 73, 74, 77.	£310.00			
HR15N	69, 72, 75, 78, 81, 83, 85, 88, 90, 91, 92, 93.	£310.00			
HR30N	41, 46, 50, 55, 59, 64, 68, 73, 77, 80, 82, 83.	£310.00			
HR45N	19, 25, 31, 37, 43, 49, 55, 61, 66, 70, 72, 74.	£310.00			
Addition	£265.00				
UKAS R	ecalibrations of existing blocks (Pass or Fail)	£265.00			
	All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and				
	ASTM E18 Block size 64mm diameter x 15mm thickness				
SCALE	NOMINAL REFERENCE BLOCK VALUES	ominal valuo			
HRB	20, 30, 40, 50, 60, 70, 75, 80, 85, 90, 95, 100.	£310.00			
HRA	22, 26, 31, 35, 40, 45, 47, 50, 53, 55, 59, 62.	£310.00			
HRE	75, 81, 87, 93, 100.	£310.00			
HRF	74, 80, 86, 91, 97, 100.	£310.00			
HRG	3, 18, 33, 41, 49, 58, 66, 74, 83.	£310.00			
HRH	94, 98.	£310.00			
HRK	38, 47, 56, 65, 73, 81, 86, 91, 95, 99.	£310.00			
HR15T	67, 70, 73, 77, 80, 83, 85, 86, 88, 90, 91, 93.	£310.00			
HR30T	29, 36, 43, 49, 56, 63, 66, 69, 73, 76, 80, 83.	£310.00			
HR45T	2, 12, 22, 32, 43, 48, 53, 58, 63, 68, 73.	£310.00			
Additional UKAS Scale Calibrations for individual block £265.00					
UKAS Recalibrations of existing blocks (Pass or Fail) £265.00					
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18					

Rockwell Testing Indenters

INDENTOR TYPE AND REFERENCE NUMBERS	UKAS Certified	No Certificate
ROCKWELL		
STANDARD TYPES: RI 001, RI 002, RI 003, RI	£393.00	£346.00
004, RI 005, RI 006, RI 007, RI 009, RI 012, RI		
013, RI 014, RI 019, RI 020, RI 036.		
NON-STANDARD: RI 034 RI 002 RI 003 RI 004	£498.00	£441.00
Repair of Rockwell Indenters (all types)	£327.00	£290.00
UKAS Certification of Rockwell Indenters all	£257.00	
types (Pass or Fail)		
All LIKAS cortified Peckwell Indenters will be suppl	lind with a	

All UKAS certified Rockwell Indenters will be supplied with a UKAS Certificate to BS EN ISO 6508-2 and ASTM E18





The Qmount is a modern device for the light-curing-based mounting of materialographic samples.

The samples are placed in the device which is equipped with customized, powerful LED technology. The UV transparent mounting moulds are filled with the UV curing resin. The transparent sample can be removed within a very short time frame. A suction unit from the QATM portfolio can be connected to the device to increase work safety.

PRODUCT ADVANTAGES

UV mounting in the shortest possible time (60 seconds) Highly efficient, long-life LED technology Robust machine design Easy handling Connectable suction unit (optional)



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