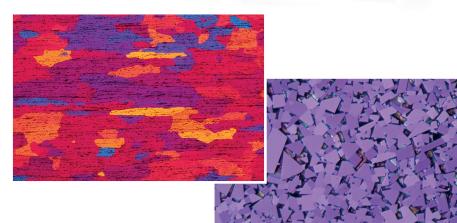


Metallographic

Materials





2025

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

Weld Analysis



Abrasive Cut-off Wheels for Laboratory Cutters

Туре	Use	Diameters	Туре
FES & 3H	FES & 3H For cutting very hard ferrous metals in the range RC60 and above. Resin bonded Al2O3		FESF
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	FEVI FEVI
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 8

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	250- 600mm
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	£194.70
250mm	Brillant 200, 230, 240	and similar machines	
3H	250 x 1.6 x 32mm	109921	£123.40
FES	250 x 1.5 x 32mm	109821	£123.40
FEM (2HA)	250 x 1.6 x 32mm	109922	£123.40
FED (33H)	250 x 1.6 x 32mm	109923	£123.40
FEH (2H)	250 x 1.5 x 32mm	109924	£123.40
FEVH (H)	250 x 1.6 x 32mm	109927	£123.40
F	250 x 1.1 x 32mm	109926	£215.00
T1	250 x 1.5 x 32mm	109828	£158.60
T2	250 x 1.6 x 32mm	109928	£166.80
NF	250 x 1.6 x 32mm	109929	£123.40
Т	250 x 1.1 x 32mm	109920	£215.00

300mm	Brillant 230, 250.3 and s		
FES	300 x 2.0 x 32mm	109831	£205.50
FEM (2HA)	300 x 2.0 x 32mm	109932	£153.00
FED (33H)	300 x 2.0 x 32mm	109933	£153.00
FEH (2H)	300 x 2.4 x 32mm	109935	£153.00
F	300 x 1.2 x 32mm	109936	£248.30
UF	300 x 0.8 x 32mm	109836	£230.25
T1	300 x 2.0 x 32mm	109838	£230.25
Т	300 x 1.2 x 32mm	109930	£248.30

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 si	imilar machines	
FES	350 x 2.5 x 32mm	109841	£272.00
FEM (2HA)	350 x 2.5 x 32mm	109942	£216.70
FEH	350 x 2.5 x 32mm	109843	£260.00
F	355 x 1.4 x 32mm	109946	£260.00
T1	350 x 2.5 x 32mm	109848	£260.00
400mm	Brillant 255, 265, 275 and sim	ilar machines	
FES	406 x 3.2 x 32mm	109952	£324.00
FEM	406 x 3.2 x 32mm	109953	£324.00
Т	406 x 1.5 x 32mm	1099408	£352.00
432mm	Brillant 275 and similar machin	nes	
FESR	432 x 3.2 x 32mm	1099432R	£475.80
FEM	432 x 3.2 x 32mm	1099433	£423.00

500mm	Brillant 275, 3D, 285 and similar machines		
FESR	508 x 4.2 x 32mm	1099502R	£571.00
Т	500 x 2.4 x 32mm	1099510	£516.00



Abrasive sectioning

Superfine Abrasive Cutting Wheels for Laboratory Precision Cutters

Туре	Use		Diameters	Т	Гуре	Use		Diameters
Type HNF Superfine wheels for precision cutting of ferrous metals and super-alloys. Rubber bonded Al2O3		100- 180mm	Т	Гуре Т	Superfine wheels for prec nium, aluminium and cop Rubber bonded SiC		150- 180mm	
	All packs contain 5 cutting wheels							
Туре	Size	Cat no.	Price	Т	Гуре	Size	Cat no.	Price
100mm	Brillant 220 and similar m	Brillant 220 and similar machines		1	50mm	Brillant 220 and similar machines		
HNF	100 x 0.25 x 12.7mm	109915	£62.00	F	HNF	150 x 0.45 x 12.7mm	109903	£76.00
HNF	100 x 0.40 x 12.7mm	109901	£62.00	Т	Г	150 x 0.45 x 12.7mm	109907	£77.00
125mm	Brillant 220 and similar machines			1	80mm	Brillant 220 and similar m	achines	
				F	HNF	180 x 0.8 x 12.7mm	101720	£83.00
HNF	125 x 0.45 x 12.7mm	109902	£70.50	Т	Г	180 x 0.8 x 12.7mm	101728	£90.00

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 m	nachines	
HC Diamond	75 x 0.15 x 12.7mm	100750	£329.00
LC Diamond	75 x 0.15 x 12.7mm	100751	£329.00
HC CBN	75 x 0.15 x 12.7mm	100760	£303.00

100mm	Brillant 220 and similar machines			
HC Diamond	100 x 0.30 x 12.7	101050	£398.00	
LC Diamond	100 x 0.30 x 12.7	101051	£398.00	
HC CBN	100 x 0.30 x 12.7	101060	£366.00	

125mm	Brillant 220 and similar machines				
HC Diamond	125 x 0.40 x 12.7mm	101250	£447.00		
LC Diamond	125 x 0.40 x 12.7mm	101251	£447.00		
HC CBN	125 x 0.40 x 12.7mm	101260	£399.00		

150mm	Brillant 220 and similar machines			
HC Diamond	150 x 0.50 x 12.7mm	101555	£578.00	
LC Diamond	150 x 0.50 x 12.7mm	101556	£578.00	
HC CBN	150 x 0.50 x 12.7mm	101560	£520.00	

175mm	Brillant 220 and similar machines			
HC Diamond	175 x 0.60 x 12.7mm	101850	£699.00	
LC Diamond	175 x 0.60 x 12.7mm	101851	£699.00	
HC CBN	175 x 0.60 x 12.7mm	101860	£582.00	

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	£198.00
150 x 1.0mm	101540	£219.00
200 x 1.35mm	102040	£286.00
250 x 1.35mm	102540	£388.00
300 x 1.6mm	103040	£610.00
350 x 1.7mm	103540	£767.00
N.B. PLEASE SPECIEV ARBOUR SIZE		

N.B. PLEASE SPECIFY ARBOUR SIZE WHEN ORDERING

Diamond Cutting Wheels General Purpose

Туре	Use	Diameters	
Continuous Rim Resin Bonded Diamond	For use with standard, singl metallurgical cutters for ver e.g. tungsten carbides and	200- 350mm	
All packs con	tain 1 cutting wheel		
Туре	Size	Price	
	200 x 1.5 x 32mm	102060	£428.00

iype	SILC	cut no.	Thee
	200 x 1.5 x 32mm	102060	£428.00
	250 x 1.5 x 32mm	102560	£584.00
	300 x 1.5 x 32mm	103060	£672.00
	350 x 1.5 x 32mm	103560	£799.00



Precision Wafering Blades

• ABRASIVE & PRECISION CUTTING

	1 litre		109001	£30.00
	5 litre		109005	£107.0
BIOCLEAN				
Bacterial disinfect bacterial growth	tant - add to coolant rec and bad odours	irculation	tank monthly	to preve
Succertai growth	1 litre		109008	£35.60
				200.00
DIALUB				
Advanced cutting	g oil for use with diamon	d and CBN	√ blades in p	recision
cutters			111100	
	1 litre		111100	£26.80
DIALUB Z				
Synthetic, water	based lubricant for use	with diamo	ond and CBN	I blades ir
Synthetic, water		with diamo		
DIALUB 2 Synthetic, water precision cutters	based lubricant for use v 1 litre	with diamo	ond and CBN 111101	l blades ir £26.80
Synthetic, water		with diamo		
Synthetic, water	1 litre	with diamo		
Synthetic, water precision cutters ANTI-FOAM A	1 litre		111101	£26.80
Synthetic, water precision cutters ANTI-FOAM A	1 litre		111101	£26.80
Synthetic, water precision cutters ANTI-FOAM A	1 litre AGENT sive foaming of coolant f		111101 irculating syst	£26.80 tems
Synthetic, water precision cutters ANTI-FOAM A To prevent exces	1 litre GENT sive foaming of coolant f 60ml		111101 irculating syst	£26.80 tems
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE	1 litre AGENT sive foaming of coolant f	luid in rec	111101 irculating syst 109009	£26.80 tems £14.80
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE	1 litre GENT sive foaming of coolant f 60ml NSATION SPRAY	luid in rec	111101 irculating syst 109009	£26.80 tems £14.80
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE	1 litre CGENT sive foaming of coolant f 60ml NSATION SPRAY ow from getting steamed	luid in rec	111101 irculating syst 109009 vater condens	£26.80 tems £14.80 sation
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo	1 litre CGENT sive foaming of coolant f 60ml NSATION SPRAY ow from getting steamed	luid in rec	111101 irculating syst 109009 vater condens	£26.80 tems £14.80 sation
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo FILTER BAGS	1 litre GENT sive foaming of coolant f 60ml NSATION SPRAY ow from getting steamed 100ml	luid in rec	111101 irculating syst 109009 vater condens 95008900	£26.80 tems £14.80 sation £35.50
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo FILTER BAGS For Brillant 265,	1 litre CGENT Sive foaming of coolant f 60ml OSATION SPRAY ow from getting steamed 100ml 275, 285 recircs. each	luid in rec	111101 irculating syst 109009 vater condens 95008900 95017301	£26.8(tems £14.8(sation £35.5(
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo FILTER BAGS For Brillant 265, For Brillant 200,	1 litre CGENT sive foaming of coolant f 60ml NSATION SPRAY ow from getting steamed 100ml 275, 285 recircs. each 230, 250 recircs. each	luid in rec	111101 irculating syst 109009 vater condens 95008900	£26.80 tems £14.80 sation £35.50 £42.00
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo FILTER BAGS For Brillant 265, For Brillant 200,	1 litre CGENT Sive foaming of coolant f 60ml OSATION SPRAY ow from getting steamed 100ml 275, 285 recircs. each	luid in rec	111101 irculating syst 109009 vater condens 95008900 95017301	£26.80 tems £14.80 sation
Synthetic, water precision cutters ANTI-FOAM A To prevent exces ANTI-CONDE To prevent windo FILTER BAGS For Brillant 265, For Brillant 200, For Brillant 200,	1 litre CGENT sive foaming of coolant f 60ml NSATION SPRAY ow from getting steamed 100ml 275, 285 recircs. each 230, 250 recircs. each	iluid in rec up with w	111101 irculating syst 109009 vater condens 95008900 95017301 95017304	£26.80 tems £14.80 £35.50 £42.00 £42.00

For use with diamond and CBN blac	des	
12x12x150mm E	EA 10	99002 £25.00





QCut 250 A



QCut 350 A



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 for surface analysis

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 2μ m. 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.



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



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



Our Zeiss software

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.

Price

Cat no.

Cold Mounting Systems

KI	EE	R-S	ET

Polyester resin/hardener system giv Curing time 40 mins.	/ing gla	ss-clear mounts	
KLEER-SET FF Resin and Hardener	1kg	11 10 81	£47.90
KLEER-SET FF Resin and Hardener	5kg	11 10 82	£136.00

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	£192.00
TRI-HARD Kit - Large (Powder, Liquid 1, Liquid 2)	6kg 2000ml 4000ml	11 10 49	£738.00

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.

VARISET 10 Powder, soft, clear	1kg	11 10 27	£75.40
VARISET 20 Powder hard, green	1kg	11 10 28	£75.40
VARISET 10/20 Liquid	0.5lt	11 10 29	£35.70

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	£75.40
QUICK-SET 2 Liquid	0.5lt	11 10 36	£35.70

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	£113.00
ACRI-KLEER Liquid	1lt	11 10 47	£45.70

EPO-SET

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

Low Shrinkage			
EPO-SET Resin	1kg	11 10 61	£72.00
EPO-SET Hardener	250gm	11 10 62	£36.00
EPO-SET Resin	5kg	11 10 63	£308.00
EPO-SET Hardener	1kg	11 10 64	£124.00

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

,	0			
EPO-FLO	Resin	1kg	11 10 65	£76.00
EPO-FLO	Hardener	300gm	11 10 66	£45.00
EPO-FLO	Resin	3kg	11 10 67	£212.00
EPO-FLO	Hardener	1kg	11 10 68	£132.00

Mounting Accessories
Moulds For Cold Mounting
Round Silicone Rubber

Kounu Sh	icone Kubbei				
DIA	HEIGHT				
25mm	20mm		1	11 30 01	£12.00
30mm	20mm		1	11 30 02	£12.00
32mm	20mm		1	11 30 03	£12.00
40mm	25mm		1	11 30 05	£14.50
50mm	25mm		1	11 30 06	£21.00
Rectangu	lar Silicone Ru	ubber			
LENGTH	/ WIDTH / H	EIGHT			
55mm x 3	30mm x 22mn	n	1	11 30 10	£23.00
70mm x 4	l0mm x 22mr	n	1	11 30 11	£31.00
100mm x	50mm x 22m	ım	1	11 30 12	£45.00
MET-MO					
	lene - 2 part				
30mm dia	-		10	11 30 17	£28.00
1 1/4″ dia			10	11 30 18	£28.00
40mm dia	1		10	11 30 20	£30.00
	E mould releas	se	100	44.00.00	
Silicone -			400ml	11 30 23	£23.00
Silicone -	grease		100g	11 30 22	£14.50
			100	11 30 30	£26.60
MIXING	CUPS Gradua	ated	100	11 30 30	220.00
STIDDING	G STICKS Wo	odon	500	11 30 32	£18.50
STIKKING	J STICKS VVC	ouen	500	11 30 32	210.50

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	Black	100	11	30 43	£33.00	
UNICLIP Plastic tripod	Blue	100	11	30 44	£33.00	
UNICLIP Plastic tripod	Red	100	11	30 45	£33.00	
UNICLIP Plastic tripod	Green	100	11	30 46	£33.00	
UNICLIP Plastic tripod	Yellow	100	11	30 47	£33.00	

CLAMP SPRING CLIPS

For mounting thin samples			
CLAMP Stainless Steel clip	100	11 30 40	£46.00
CLAMP Plastic clip	100	11 30 41	£46.00

SAMPLE IDENTIFICATION L			
Self-adhesive labels	200	11 99 11	£7.00
Plain backed labels	200	11 99 12	£8.00



Vacuum impregnation unit

Pack Cat no. Price

•

25kg

11 99 03

	Pack	Cat no.	Price		Pack	Cat no.	
Hot Mounting Con	npounds						
PHENOLIC Mounting compounds for gen	eral 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	£42.50		20kg	11 20 112	
	25kg	11 20 07	£224.00				
				EPO-MOUNT 2		l da fan lti	
FREEMOUNT				Epoxy resin for use with poor retention	or damaged n	ioulus for ulti	II
EDGEMOUNT Mounting compound for impr	oved edge ret	ention		Black	1kg	11 20 31	
Black	2.5kg	11 99 04	£85.00		2.5kg	11 20 32	
	25kg	11 99 05	£596.00		25kg	11 20 33	
	0						
CONDUCTO-MOUNT Black conductive mounting co	ompound - for	SEM		KLEER-MOUNT Transparent acrylic resin, user specimens through the moun		ential to obse	:n
Black	2.5kg	11 99 01	£114.00	Transparent	1kg	11 20 21	
	25kg	11 99 02	£637.00		2.5kg	11 20 95	
	2516	11 55 02	2037.00		25kg	11 20 96	
CONDUCTO-MOUNT 2 Improved black conductive corretention - for SEM	ompound, har	d with except	ional edge	SPECIMEN PROTECTIVE LA Clear lacquer for specimen p	•	tarnish	
Black	1kg	11 99 06	£72.50		400ml	11 30 25	
DIACK	Ŭ						
	2.5kg	11 99 07	£145.00				

£871.00



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	£695.00
Alumina Grinding stone for ferrous metals and super-alloys Saphir 375 330x40x90mm	EA	12 35 81	£350.00
Alumina Grinding stone for ferrous metals and super-alloys - without plate for Abraplan 350x45x38mm	EA	12 35 83	£332.00

DIAMOND DRESSING TOOLS

for Saphir 375 and other planar grinders

Multiple Diamond - short shank	EA	92006227	£292.00
Multiple Diamond - long shank	EA	92008648	£292.00

DIAMOND CUP GRINDING WHEELS

For Brillant 220	Precision Cutter			
Resin bonded, 0 180mm dia	Coarse grit,	EA	12 45 09	£578.00
Resin bonded, S 180mm dia	standard grit,	EA	12 45 10	£578.00
Resin bonded, M 180mm dia	Aedium grit,	EA	12 45 11	£578.00
Resin bonded, F 180mm dia	ine grit,	EA	12 45 12	£578.00

FOR PETROTHIN

Resin bonded, 203mm dia	EA	12 45 08	£578.00

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 £21.50 254mm dia EA 16 25 15 £26.50 305mm dia EA 16 30 15 £34.50

MAGNOPLANE

A steel disc with one side adhesive coated to attach multiple plain SiC papers;pers; for use on MAGNOBASE or NANOBASE200mm dia5254mm dia5305mm dia5139014£63.00£14£104.00

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	£38.00
254mm dia	5	16 25 10	£50.00
305mm dia	5	16 30 10	£58.00

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







Pack Cat no. Price

tem

Pack Price Cat no.

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	£92.00
Grit size P300-320 Green	EA	9500 5522	£92.00
Grit size P500-600 Blue	EA	9500 5523	£92.00
Grit size P1000-1200 Yellow	EA	9500 5524	£92.00
DISCS 250mm diameter			
Grit size P80-100 Red	EA	9500 4310	£101.00
Grit size P300-320 Green	EA	9500 4311	£101.00
Grit size P500-600 Blue	EA	9500 4312	£101.00
Grit size P1000-1200 Yellow	EA	9500 4313	£101.00
DISCS 300mm diameter			
Grit size P80-100 Red	EA	9500 4314	£126.00
Grit size P300-320 Green	EA	9500 4315	£126.00
Grit size P500-600 Blue	EA	9500 4316	£126.00
Grit size P1000-1200 Yellow	EA	9500 4317	£126.00

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

C 1 1 2 20 00	604 00
Grit size P80-P100 Black EA 12 20 00	£91.00
Grit size P120-P150 Blue EA 12 20 01	£75.00
Grit size P220-P320 Green EA 12 20 02	£70.50
Grit size P400-P600 Yellow EA 12 20 03	£70.50
Grit size P1000 Red EA 12 20 04	£70.50
DISCS 250mm diameter	
Grit size P80-P100 Black EA 12 25 00	£106.00
Grit size P120-P150 Blue EA 12 25 01	£88.00
Grit size P220-P320 Green EA 12 25 02	£84.00
Grit size P400-P600 Yellow EA 12 25 03	£84.00
Grit size P1000 Red EA 12 25 04	£84.00
DISCS 300mm diameter	
Grit size P80-P100 Black EA 12 30 00	£136.00
Grit size P120-P150 Blue EA 12 30 01	£118.00
Grit size P220-P320 Green EA 12 30 02	£113.00
Grit size P400-P600 Yellow EA 12 30 03	£113.00
Grit size P1000 Red EA 12 30 04	£113.00

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

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	£84.00
250mm dia	EA	12 25 10	£97.00
300mm dia	EA	12 30 10	£110.00

CAMEO GOLD

For soft ferrous and non-ferrous materials

200mm dia	EA	12 20 15	£84.00
250mm dia	EA	12 25 15	£97.00
300mm dia	EA	12 30 15	£110.00

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	£138.00
Grit size 40 micron	EA	14 20 37	£138.00
Grit size 75 micron	EA	14 20 38	£143.00
DISCS 250mm			
Grit size 10 micron	EA	14 25 34	£220.00
Grit size 40 micron	EA	14 25 37	£220.00
Grit size 75 micron	EA	14 25 38	£229.00
DISCS 300mm			
Grit size 10 micron	EA	14 30 34	£317.00
Grit size 40 micron	EA	14 30 37	£317.00
Grit size 75 micron	EA	14 30 38	£325.00

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

carciully removed			
DISCS 200mm			
Grit size 3 micron	EA	14 20 42	£111.00
Grit size 9 micron	EA	14 20 44	£111.00
Grit size 30 micron	EA	14 20 46	£111.00
DISCS 250mm			
Grit size 3 micron	EA	14 25 42	£205.00
Grit size 9 micron	EA	14 25 44	£205.00
Grit size 30 micron	EA	14 25 46	£205.00
DISCS 300mm			
Grit size 3 micron	EA	14 30 42	£247.00
Grit size 9 micron	EA	14 30 44	£247.00
Grit size 30 micron	EA	14 30 46	£247.00

QPOL VIBRO

INTRODUCING THE QPOLVIBRO

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.





INTRODUCING

QPOL 300 A1/A2

The Qpol 300 A1/A2-ECO+ are single or twin wheel grinding and polishing machines for the materialographic laboratory, suitable for working wheels \emptyset 250/300 mm.

Single or double wheel grinder / polisher for metallographic sample preparation

Spin cycle feature (Cleaning Boost)

4.3" Touch-Screen with intuitive QATM user software

200 customized programs storable

Easy cleaning/rinsing of bowl by lifting the working wheel (single-disc design)

Variable speed of working wheel and polishing head

Working wheel and polishing head: clockwise / counter-clockwise rotation

Impact-proof plastic bowl

Aluminium case, powder coated

Economic LED illumination



The Qcut 200 A

A precision cut-off machine with up to 3 automatic axes for use with cut-off wheels up to 203 mm / 8" in size.

The Qcut 200 A is a compact, precision cut-off machine that offers the highest possible flexibility and use of space, with up to three automatic axes (X, Y, Z) and numerous cutting functions.

Thanks to its modular design, the Qcut 200 A can be optimally equipped with numerous options and suitable clamping tools.



- 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



GRINDING - ABRASIVE PAPERS Silicon Carbide Waterproof Abrasive Papers

	SIII	con Carb	de wat
	Pack	Cat no.	Price
Plain Backed Discs can be used			
DISCS 200mm Dia Plain backed	a with MAG	NOPLANE	
Grit size P60	100	13 99 00	£60.00
Grit size P80	100	13 99 01	£55.00
Grit size P120	100	13 99 03	£49.00
Grit size P180	100	13 99 05	£42.50
Grit size P240 Grit size P320	100 100	13 99 07 13 99 09	£42.50 £42.50
Grit size P400	100	13 99 10	£42.50
Grit size P600	100	13 99 12	£42.50
Grit size P800	100	13 99 13	£42.50
Grit size P1200	100	13 99 15	£42.50
Grit size P2500 Grit size P4000	100	13 99 18 13 99 19	£67.50
Ght size r4000	100	15 99 19	£113.00
DISCS 230mm Dia Plain Backed			
Grit size P60	100	13 23 00	£77.00
Grit size P80	100	13 23 01	£67.00
Grit size P120	100	13 23 03	£57.00
Grit size P180 Grit size P240	100 100	13 23 05 13 23 07	£52.00
Grit size P320	100	13 23 07	£52.00 £52.00
Grit size P400	100	13 23 10	£52.00
Grit size P600	100	13 23 12	£52.00
Grit size P800	100	13 23 13	£52.00
Grit size P1200	100	13 23 15	£52.00
Grit size P2500 Grit size P4000	100 100	13 23 18 13 23 19	£78.50
Ght size r4000	100	15 25 19	£141.00
DISCS 250mm Dia Plain Backed			
Grit size P60	100	13 25 00	£97.00
Grit size P80	100	13 25 01	£90.00
Grit size P120 Grit size P180	100 100	13 25 03 13 25 05	£67.00
Grit size P240	100	13 25 05	£61.50 £61.50
Grit size P320	100	13 25 09	£61.50
Grit size P400	100	13 25 10	£61.50
Grit size P600	100	13 25 12	£61.50
Grit size P800	100	13 25 13	£61.50
Grit size P1200 Grit size P2500	100 100	13 25 15 13 25 18	£61.50
Grit size P4000	100	13 25 19	£94.00 £183.00
DISCS 305mm Dia Plain Backed	100	12.00.20	
Grit size P60 Grit size P80	100 100	13 99 30 13 99 31	£129.00 £103.00
Grit size P120	100	13 99 33	£103.00 £87.00
Grit size P180	100	13 99 35	£79.00
Grit size P220	100	13 99 36	£79.00
Grit size P240	100	13 99 37	£79.00
Grit size P320	100	13 99 39	£79.00
Grit size P400 Grit size P500	100 100	13 99 40 13 99 41	£79.00
Grit size P600	100	13 99 42	£79.00 £79.00
Grit size P800	100	13 99 43	£79.00
Grit size P1000	100	13 99 44	£79.00
Grit size P1200	100	13 99 45	£79.00
Grit size P2400 Crit size P2500	100	13 99 47 13 99 48	£290.00
Grit size P2500 Grit size P4000	100 100	13 99 48 13 99 49	£133.00 £252.00
	100	15 55 15	2232.00
ROLLS 76mm x 20m		10.000	
Grit size P120	EA	13 80 03	£26.40
Grit size P180 Grit size P240	EA EA	13 80 05 13 80 07	£23.50
Grit size P320	EA	13 80 07	£23.50 £23.50
Grit size P400	EA	13 80 10	£23.50 £23.50
Grit size P600	EA	13 80 12	£23.50
Grit size P800	EA	13 80 13	£23.50
Grit size P1200	EA	13 80 15	£23.50

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Adhesive Backed Discs can be used with MAGNOPLATE				
DISCS 200mm Dia Adhesive	e Backed			
Grit size P60	100	13 20 50	£96.00	
Grit size P80	100	13 20 51	£90.00	
Grit size P120	100	13 20 53	£78.00	
Grit size P180	100	13 20 55	£69.50	
Grit size P240	100	13 20 57	£69.50	
Grit size P320	100	13 20 59	£69.50	
Grit size P400	100	13 20 60	£69.50	
Grit size P600	100	13 20 62	£69.50	
Grit size P800	100	13 20 63	£69.50	
Grit size P1200	100	13 20 65	£69.50	
Grit size P2500	100	13 20 68	£98.00	
Grit size P4000	100	13 20 69	£167.00	
DISCS 250mm Dia Adhesive	e Backed			
Grit size P60	100	13 25 50	£136.00	
Grit size P80	100	13 25 51	£127.00	
Grit size P120	100	13 25 53	£111.00	
Grit size P180	100	13 25 55	£100.00	
Grit size P240	100	13 25 57	£100.00	
Grit size P320	100	13 25 59	£100.00	
Grit size P400	100	13 25 60	£100.00	
Grit size P600	100	13 25 62	£100.00	
Grit size P800	100	13 25 63	£100.00	
Grit size P1200	100	13 25 65	£100.00	
Grit size P2500	100	13 25 68	£147.00	
Grit size P4000	100	13 25 69	£197.00	
DISCS 305mm Dia Adhesive	e Backed			
Grit size P60	100	13 30 50	£193.00	
Grit size P80	100	13 30 51	£180.00	
Grit size P120	100	13 30 53	£172.00	
Grit size P180	100	13 30 55	£147.00	
Grit size P240	100	13 30 57	£147.00	
Grit size P320	100	13 30 59	£147.00	
Grit size P400	100	13 30 60	£147.00	
Grit size P600	100	13 30 62	£147.00	
Grit size P800	100	13 30 63	£147.00	
Grit size P1200	100	13 30 65	£147.00	
Grit size P2500	100	13 30 68	£190.00	
Grit size P4000	100	13 30 69	£292.00	
Waterproof Abr	acivo Polto			

Pack

Cat no.

Price

Waterproof Abrasive Belts

SILICON CARBIDE cloth belts 100mm x 915mm				
	Grit size P60	10	13 51 00	£71.00
	Grit size P80	10	13 51 01	£67.00
	Grit size P120	10	13 51 03	£60.00
	Grit size P180	10	13 51 05	£60.00
	Grit size P240	10	13 51 07	£60.00
	Grit size P400	10	13 51 10	£60.00

ALUMINIUM OXI)E cloth belts 100mm x 915mm	I	
Grit size P60	10	13 99 80	£67.00
Grit size P80	10	13 99 81	£59.00
Grit size P120	10	13 99 83	£56.00
Grit size P180	10	13 99 85	£56.00
Grit size P240	10	13 99 87	£56.00
Grit size P400	10	13 99 90	£56.00

GRIT GRABBERS

12

Double sided adhesive discs for use with plain backed SiC papers. Can be used repeatedly.

Cu	n be used repeatedry.			
20	0mm dia	10	13 90 03	£36.00
25	4mm dia	10	13 90 04	£58.00
30	5mm dia	10	13 90 06	£72.00
Ae	erosol Spray Adhesive	400ml	13 90 05	£22.00

INTRODUCING

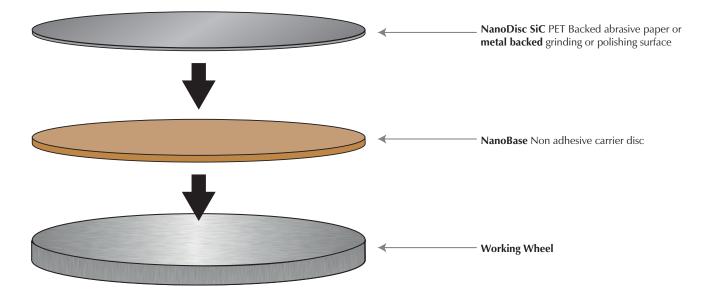
MetPrep NanoFix System Premium Application adhesive free grinding

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	179.00		
300mm		EA	95003608	212.00		
350mm		EA	95014566	322.00		
NanoDisc SiC- PET	backed Sili	con Carbide	e Waterproof A	Abrasive		
Paper discs 250mm	dia					
Grit size P120		100	132573	110.00		
Grit size P180		100	132575	110.00		
Grit size P240		100	132577	110.00		
Grit size P320		100	132580	110.00		
Grit size P600		100	132582	110.00		
Grit size P800		100	132583	110.00		
Grit size P1200		100	132585	110.00		
Grit size P2500		100	132588	159.00		

	Pack	Cat no.	Price
NanoDisc SiC- PET backed Silicon	n Carbide	e Waterproof	Abrasive
Paper discs 300mm dia			
Grit size P120	100	133073	148.00
Grit size P180	100	133075	148.00
Grit size P240	100	133077	148.00
Grit size P320	100	133080	148.00
Grit size P600	100	133082	148.00
Grit size P800	100	133083	148.00
Grit size P1200	100	133085	148.00
Grit size P2500	100	133088	212.00
NanoDisc SiC- PET backed Silicon	Carbide	Waterproof A	brasive
Paper discs 350mm dia			
Grit size P120	100	134073	215.00
Grit size P180	100	134075	215.00
Grit size P240	100	134077	215.00
Grit size P320	100	134080	215.00
Grit size P600	100	134082	215.00
Grit size P800	100	134083	215.00
Grit size P1200	100	134085	215.00
Grit size P2500	100	134088	299.00

Primary Polishing Cloths

ABRACLOTH M A hard co	barse weave synth	netic material	for
intermediate grinding and p	primary polishing	. Use with 15	or 9
micron diamond			
203mm dia	5	17 20 40	£90.00
25 America dia	-	17 05 40	6100.00

254mm dia 17 25 40 £123.00 5 5 305mm dia 17 30 40 £150.00

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	£127.00
254mm dia	5	17 25 62	£179.00
305mm dia	5	17 30 62	£223.00

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

203mm dia	5	1/2061	£73.00
254mm dia	5	17 25 61	£91.00
305mm dia	5	17 30 61	£121.00

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	£70.50
254mm dia	5	17 25 50	£97.00
305mm dia	5	17 30 50	£125.00

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

titanium, superanoys and steels	. s and o m	icron diamond	
203mm dia	5	17 20 52	£64.00
254mm dia	5	17 25 52	£83.00
305mm dia	5	17 30 52	£101.00

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	£83.00
254mm dia	5	17 25 70	£132.00
305mm dia	5	17 30 70	£147.00

Pack

TROUNOIRE M A dense short napped cloth for final polishing. 6-1/4 micron diamond				
203mm dia	5	17 20 95	£78.00	
254mm dia	5	17 25 95	£122.00	
305mm dia	5	17 30 95	£132.00	

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	£64.00
254mm dia	5	17 25 94	£81.00
305mm dia	5	17 30 94	£92.00

MEMPHIS CLOTH M A heavy duty cloth with medium nap for al nalishir 11.

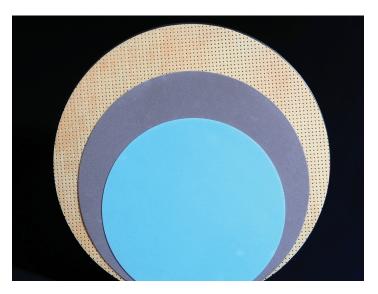
iniai polisning using diamor	id, 5 micron or les	55	
203mm dia	5	17 20 96	£65.00
254mm dia	5	17 25 96	£104.00
305mm dia	5	17 30 96	£115.00

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

203mm dia	5	17 20 92	£64.00
254mm dia	5	17 25 92	£81.00
305mm dia	5	17 30 92	£92.00

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	
254mm dia	5	17 25 91	£143.00
305mm dia	5	17 30 91	£182.00



Polishing Cloths

Price

Dul as

	Раск	Cat no.	Price
Primary Polishing Clo	ths		
ABRACLOTH A hard coarse weave s grinding and primary polishing. Use with			ediate
203mm dia	5	16 20 40	£60.00
254mm dia	5	16 25 40	£90.00
305mm dia	5	16 30 40	£105.00
PLANOCLOTH H A perforated chemotextile oil, water and alcohol resistant cloth. For rapid stock removal from hard materials producing flat,			

De al.

Cating

relief free specimens. 6 micron	diamond and larger		
203mm dia	5	16 20 62	£119.00
254mm dia	5	16 25 62	£161.00
305mm dia	5	16 30 62	£204.00

PLANOCLOTH	A chemotextile oil, water and alcohol resistant cloth for
flat, relief free spec	imens. 3 micron diamond and larger

203mm dia	5	16 20 61	£46.00
254mm dia	5	16 25 61	£67.00
305mm dia	5	16 30 61	£109.00

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	£50.00
254mm dia	5	16 25 50	£71.00
305mm dia	5	16 30 50	£97.00

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

superalloys and steels. 3 and 6 micron diamond					
203mm dia	5	16 20 52	£56.00		
254mm dia	5	16 25 52	£69.00		
305mm dia	5	16 30 52	£77.00		

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£69.00254mm dia516 25 70£105.00305mm dia516 30 70£117.00

TROUNOIRE / diamond	۹ dense sho	rt napped cloth fo	r final polishing. 6-	1/4 micron
203mm dia		5	16 20 95	£51.00
254mm dia		5	16 25 95	£67.00
305mm dia		5	16 30 95	£86.00

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	£42.00
254mm dia	5	16 25 94	£58.00
305mm dia	5	16 30 94	£67.00

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

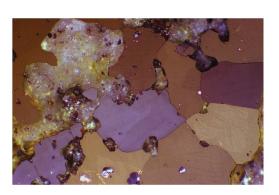
0 0	,			
203mm dia		5	16 20 96	£44.00
254mm dia		5	16 25 96	£57.00
305mm dia		5	16 30 96	£74.00

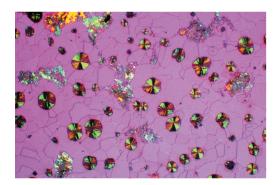
MULTICLOTH A very short napped soft cloth for final polishing with oxide abrasives, 1 micron or less

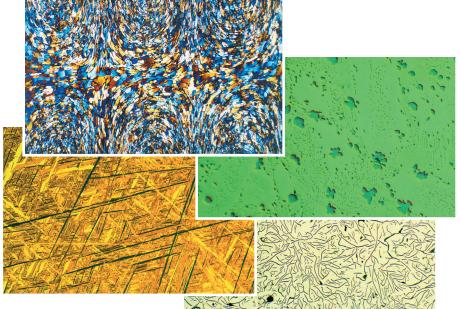
203mm dia	5	16 20 92	£36.00
254mm dia	5	16 25 92	£48.00
305mm dia	5	16 30 92	£58.00

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

0			
203mm dia	5	16 20 91	£75.00
254mm dia	5	16 25 91	£115.00
305mm dia	5	16 30 91	£149.00







Price

Μ	on	ocr	ystal	line
		U UI	ystu	

DIAMOND compound, v	vater based, in disposable	e svringes	
Micron size 1/4 Grey	5g	15 99 02	£13.00
Micron size 1/4 Grey	20g	15 99 04	£41.00
Micron size 1 Blue	5g	15 99 06	£12.00
Micron size 1 Blue	20g	15 99 08	£34.50
Micron size 3 Green	5g	15 99 10	£17.00
Micron size 3 Green	20g	15 99 12	£54.00
Micron size 6 Yellow	5g	15 99 14	£17.00
Micron size 6 Yellow	20g	15 99 16	£54.00
Micron size 9 Red	5g	15 99 18	£24.00
Micron size 9 Red	20g	15 99 20	£74.00
Micron size 15 Brown	5g	15 99 22	£24.00
Micron size 15 Brown	20g	15 99 24	£74.00
Micron size 30 Mahogany	5g	15 99 26	£24.00
Micron size 30 Mahogany	20g	15 99 28	£74.00
Micron size 45 Purple	5g	15 99 30	£24.00
Micron size 45 Purple	20g	15 99 32	£74.00

Pack

Cat no.

DIASPRAY - Diamond aerosol	, water based,	manually pre	ssurised
Micron size 1/4 Grey	250ml	15 42 31	£37.00
Micron size 1 Blue	250ml	15 42 32	£26.00
Micron size 3 Green	250ml	15 42 33	£26.00
Micron size 6 Yellow	250ml	15 42 34	£37.00
Micron size 9 Red	250ml	15 42 35	£37.00
Micron size 15 Brown	250ml	15 42 36	£39.00
Micron size 30 Mahogany	250ml	15 42 37	£39.00
Micron size 45 Purple	250ml	15 42 38	£39.00

DIAMOND Suspensions, water based with trigger spray

		00 1 /	
Micron size 1/4 Grey	400ml	15 99 44	£56.00
Micron size 1 Blue	400ml	15 99 48	£41.00
Micron size 3 Green	400ml	15 99 52	£45.00
Micron size 6 Yellow	400ml	15 99 56	£56.00
Micron size 9 Red	400ml	15 99 60	£56.00
Micron size 15 Brown	400ml	15 99 64	£60.00
Micron size 30 Mahogany	400ml	15 99 66	£60.00
Micron size 45 Purple	400ml	15 99 68	£60.00
Micron size 90 Clear	400ml	15 99 76	£93.00

DIAMOND Suspensions, water based, refill bottles

	,		
Micron size 1/4 Grey	1lt	15 98 44	£112.00
Micron size 1 Blue	1 lt	15 98 48	£77.00
Micron size 3 Green	1lt	15 98 52	£77.00
Micron size 6 Yellow	1lt	15 98 56	£113.00
Micron size 9 Red	1lt	15 98 60	£120.00
Micron size 15 Brown	1lt	15 98 64	£120.00
Micron size 30 Mahogany	1lt	15 98 66	£120.00
Micron size 45 Purple	1lt	15 98 68	£120.00

DIAMOND Suspensions, oil based with trigger spray

Micron size 1/4 Grey	400ml	15 99 43	£56.00
Micron size 1 Blue	400ml	15 99 47	£41.00
Micron size 3 Green	400ml	15 99 51	£41.00
Micron size 6 Yellow	400ml	15 99 55	£56.00
Micron size 9 Red	400ml	15 99 59	£56.00
Micron size 15 Brown	400ml	15 99 63	£60.00
Micron size 30 Mahogany	400ml	15 99 65	£60.00
Micron size 45 Purple	400ml	15 99 67	£60.00

DIAMET Diamond Suspension - Unique compound formulation, self lubricating for maximum economy, with trigger spray Micron size 1/4 Grey 500ml 15 99 33 £33.00

Pack

Cat no.

Price

WICIOIT SIZE 1/4 CIEy	500111	15 99 55	£33.00
Micron size 1 Blue	500ml	15 99 34	£33.00
Micron size 3 Green	500ml	15 99 35	£33.00
Micron size 6 Yellow	500ml	15 99 36	£33.00
Micron size 9 Red	500ml	15 99 37	£33.00
Micron size 15 Brown	500ml	15 99 38	£33.00

Lubricants

MetPrep Diamond Lubricant, water based, Yellow					
Aerosol - pump up	250ml	15 50 00	£9.99		
Bottle	1lt	15 50 01	£11.00		
Bottle	2.5 lt	15 50 02	£24.50		
MetPrep Diamond Lubricant,	water/oil base	ed, Pink			
Bottle	1lt	15 50 12	£16.00		
MetPrep Diamond Lubricant,	alcohol based	l, Blue			
Bottle	1lt	15 50 08	£20.00		
Bottle	2.5 lt	15 50 09	£34.50		
MetPrep Diamond Lubricant,	oil based, Red	b			
Bottle	2.5 lt	15 50 04	£25.50		
DISPENSERS	5.4	45 54 00			
Trigger Spray attachment	EA	15 51 02	£3.90		
Pump up refillable aerosol, 250ml	EA	15 51 03	£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

	POLISHING COMPOUN				
	Pack	Cat no.	Price		
Polycrystalline					
DIAMOND compound, water	· based, in disp	oosable syring	es		
Micron size 1/4	10g	15 98 04	£51.00		
Micron size 1	10g	15 98 08	£51.00		
Micron size 3	10g	15 98 12	£61.00		
Micron size 6	10g	15 98 16	£85.00		
Micron size 9	10g	15 98 20	£85.00		
Micron size 15	10g	15 98 24	£85.00		
DIASPRAY - Diamond aerosol		· ·	essurised		
Micron size 1/4	250ml	15 42 41	£50.00		
Micron size 1	250ml	15 42 42	£50.00		
Micron size 3	250ml	15 42 43	£52.00		
Micron size 6	250ml	15 42 44	£53.00		
Micron size 9	250ml	15 42 45	£53.00		
Micron size 15	250ml	15 42 46	£53.00		
	w bacad with t				
DIAMOND Suspensions, water Micron size 1/4	400ml	15 42 61	674.00		
Micron size 1	400ml	15 42 61	£74.00		
Micron size 3	400ml	15 42 62	£74.00		
Micron size 6	400ml	15 42 64	£78.00		
Micron size 9	400ml	15 42 65	£79.00		
Micron size 15	400ml	15 42 66	£79.00 £79.00		
	100111	10 12 00	27 5.00		
DIAMOND Suspensions, wate	er based, refill	bottles			
Micron size 1/4	1lt	15 41 41	£113.00		
Micron size 1	1lt	15 41 42	£113.00		
Micron size 3	1lt	15 41 43	£146.00		
Micron size 6	1lt	15 41 44	£150.00		
Micron size 9	1lt	15 41 45	£150.00		
Micron size 15	1lt	15 41 46	£150.00		
POLYMET Suspension - water reduction in polishing times	based, specia	l formula for o	dramatic		
Micron size 1	400ml	15 98 82	£71.00		
Micron size 3	400ml	15 98 83	£74.00		
111111111111111111111111111111111111111					
Micron size 6	400ml	15 98 84	£76.00		
	400ml 400ml	15 98 84 15 98 85	£76.00 £76.00		



METPREP OXIDE POLISHING MEDIA

Polishing Silica

SILCO Colloidal Silica suspensi	on, high cor	centration	
Micron size 0.06	1lt	15 99 97	£36.00
Micron size 0.06	5lt	15 99 99	£138.00
Micron size 0.06	25lt	15 99 98	£485.00

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	£47.00		
Micron size 0.04	2.5lt	15 97 81	£114.00		
Micron size 0.04	5lt	15 97 82	£212.00		

Polishing Alumina

ALPHA - Dry Powder			
Micron size 1.0	500g	15 99 80	£117.00
Micron size 1.0	2.0kg	15 99 81	£453.00
Micron size 0.3	500g	15 99 82	£117.00
Micron size 0.3	2.0kg	15 99 83	£453.00
GAMMA - Dry Powder			
Micron size 0.05	500g	15 99 84	£117.00
Micron size 0.05	2.0kg	15 99 85	£453.00
AQUEOUS Suspensions			
Alpha Micron size 5.0	1lt	15 99 89	£49.00
Alpha Micron size 1.0	1lt	15 99 91	£56.00
Alpha Micron size 0.3	1lt	15 99 93	£56.00
Gamma Micron size 0.05	1lt	15 99 95	£56.00

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	ТВС
Handpiece, angle 90 degree (CHC collet)	PGIC390	TBC
Handpiece, angle, 45 degree (CHC collet)	PGKC345	TBC
Handpiece, straight, rapid-chuck (CHH collet)	PGIH300	TBC
Handpiece, straight, deep holes (CHM collet)	PGMH300	TBC
Handpiece, torque type (CHG collet)	PGHG210	TBC
Mini belt sander attachment	PGBS100	TBC
Extension Element, reduction gear	PGRG01	TBC
Extension Element	PGCN01	TBC
Replacement collets 3.0mm	PGCHC3	TBC
Rubber disc holder, 30mm diameter (Pck of 5)	PGPT030X5	твс
Flapper abrasive wheel 60 x 30 x 6mm (pck of 10)	PGPT6030	твс

Portable Grinding and Polishing Materials

Pack

Cat no.

Price

Grinding Discs, 32mm dia, psa backed						
Grit size P60	100	13 03 00 £32 .	00			
Grit size P120	100	13 03 03 £32 .	00			
Grit size P240	100	13 03 07 £32 .	00			
Grit size P400	100	13 03 10 £32 .	00			
Grit size P600	100	13 03 12 £32 .	00			
Grit size P1200	100	13 03 15 £32 .	00			
D -listing Clather 22						
Polishing Cloths, 32mi	m dia, psa backed					
Durasilk, psa	25	16 03 52 £27.	00			
Trounoire,psa	25	16 03 95 £27.	00			
Cashmere Cloth, psa	25	16 03 70 £27.	00			
Planocloth, psa	25	16 03 61 £27.	00			
Alphacloth, psa	25	16 03 94 £27.	00			
HS Blue	25	16 03 98 £41.	00			
HS Green	25	16 03 99 £41 .	00			
DIAMOND compound, water based, in disposable syringes						

Micron size 1 Blue	5g	15 99 06	£12.00
Micron size 6 Yellow	5g	15 99 14	£17.00
Micron size 15 Brown	5g	15 99 22	£24.00
MetPrep Lubricant,	250ml	15 50 00	£9.99
Aerosol - pump up			

Portable Replicating Materials

Acetate Replica sheet, 35micron	20	AAG255	£27.00
Acetate Replicating tape, 125micron	19mm x 4.5m	AAG3882	£84.00
Microset Cartridge 101RFB	50ml	MC50	£53.50
Microset Replifix Putty - (fast cure)	500g	M121F	£75.50
Microset Cartridge 101RF	265ml	101RF	£155.50
Microset Dispensing gun	EA	DG50	£75.00
Microset Nozzle pack	10	NP10	£19.50
Microset Nozzle pack	50	NP50	£84.00

Ultrasonic Cleaners

Ultraso	nic Cleane	ers			
Units with	timer, variabl	e heater, lid	l and baske	t	
MODEL	CAPACITY	TANK SIZE	:		
U300H	2.5 litres	240L x 140	0W x 100E)	£795.00
U500H	4.5 litres	300L x 15	0W x 150E)	£1335.00
Q\$12	12.5 litres	295L x 24	5W x 140E)	£2,558.00
			Pack	Cat no.	Price
Ultraclean	1 Ultrasonic cle	eaning fluid cc	oncentrate, su 1 lt 5 lt	iitable for ferr 18 00 02 18 00 03	ous materials £26.99 £115.00
	n 2 Ultrasonic o .g. aluminium, o		l concentrate 1 lt	e, suitable for 18 00 04	non-ferrous £26.99
	n and Pres				
	DUR Vacuum I tations and vacu	1 0	unit with in	dexing moul	ds (8off),

SINGLE-POUR, Vacuum Impregnation unit and vacuum pump EA CA9117 £1,573.00

ΕA

M6500001 £3,040.00

TECHNOMAT Pressure Chamber for use with EPO-FLO mounting
compound to produce glass-clear mountsEA11 30 50£909.00

Laboratory Compressor

BAMBI Compressor,	Oil free, Ult	ra low noise 340	0h x 400w x 3	30d (mm)
		EA	PT5	£545.00

Specimen Driers

Specimen Drier, Bench Mounted	EA	A5810355	£938.00
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Specimen Levelling Press for Microscopy

Plasticene for use with the	500g	19 04 01	£21.50
Specimen Levelling Press			

Miscellaneous Accessories

Fastener Vice - Miniature vice for small samples such as fasteners for longitudinal sectioning	EA	C10050	£443.00
Cotton Wool for etch swabbing and micro-cleaning	500g	19 99 01	£10.30
Vinyl Gloves, disposable	100	19 99 05	£22.20
Selvyt Cloth Squares with bound edges 250mmx250mm	10	16 99 99	£52.00
Specimen Protective Lacquer for coating specimens to prevent tarnish	400ml	11 30 25	£18.00

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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.	£603.00
Standard Loads (kg) available HV2, HV3, HV5, HV10, HV20, HV3 HV100.	0, HV50,
Additional UKAS Load Calibrations for individual block	£380.00
UKAS Recalibrations of existing blocks (Pass or Fail)	£380.00
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.	£807.00
	£501.00 £501.00 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.	£807.00	
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	£501.00	
Recalibrations of existing blocks (Pass or Fail)	£501.00	
All blocks are supplied with a traceable laboratory certificate to ASTM E384		

ertificate to ASTM E384 Block size 30mm diameter x 10mm thickness

Vickers & Knoop Macro/Micro Testing Indenters

	0	
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.	£558.00	£485.00
Repair of Macro Vickers Indenters (all types)	£490.00	£442.00
UKAS Certification of Macro Vickers Indenters all types (Pass or Fail)	£419.00	
MICRO VICKERS		
STANDARD TYPES: VI 009, VI 012, VI 013, VI 014.	£765.00	£730.00
NON STANDARD: VI 010, VI 024.	£863.00	£807.00
Repair of Micro Vickers Indenters (all types)	£533.00	£485.00
UKAS Certification of Micro Vickers Indenters all types (Pass or Fail)	£432.00	
MACRO KNOOP		
TYPES KI 007, KI 008, KI 009.	£558.00	£485.00
Repair of Macro Knoop Indenters (all types)	£490.00	£442.00
UKAS Certification of Macro Knoop Indenters all types (Pass or Fail)	£419.00	
MICRO KNOOP		
TYPES KI 002, KI 003, KI 004, KI 005,	£765.00	£706.00
Repair of Micro Knoop Indenters (all types)	£533.00	£485.00
UKAS Certification of Micro Knoop Indenters all types (Pass or Fail)	£432.00	

Rockwell & Superficial Reference Hardness Blocks

SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE
HRC	20, 25, 30, 35, 40, 45, 50, 55, 60, 63, 65, 67.	£341.00
HRA	60, 63, 65, 68, 70, 73, 76, 78, 81, 83, 84, 85.	£341.00
HRD	40, 44, 48, 52, 56, 60, 64, 67, 71, 73, 74, 77.	£341.00
HR15N	69, 72, 75, 78, 81, 83, 85, 88, 90, 91, 92, 93.	£341.00
HR30N	41, 46, 50, 55, 59, 64, 68, 73, 77, 80, 82, 83.	£341.00
HR45N	19, 25, 31, 37, 43, 49, 55, 61, 66, 70, 72, 74.	£341.00
Additional UKAS Scale Calibrations for individual block £291.00		
UKAS Recalibrations of existing blocks (Pass or Fail) £291.00		
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	
HRB	20, 30, 40, 50, 60, 70, 75, 80, 85, 90, 95, 100.	£341.00
HRA	22, 26, 31, 35, 40, 45, 47, 50, 53, 55, 59, 62.	£341.00
HRE	75, 81, 87, 93, 100.	£341.00
HRF	74, 80, 86, 91, 97, 100.	£341.00
HRG	3, 18, 33, 41, 49, 58, 66, 74, 83.	£341.00
HRH	94, 98.	£341.00
HRK	38, 47, 56, 65, 73, 81, 86, 91, 95, 99.	£341.00
HR15T	67, 70, 73, 77, 80, 83, 85, 86, 88, 90, 91, 93.	£341.00
HR30T	29, 36, 43, 49, 56, 63, 66, 69, 73, 76, 80, 83.	£341.00
HR45T	2, 12, 22, 32, 43, 48, 53, 58, 63, 68, 73.	£341.00
Additional I	IKAS Scale Calibrations for individual block	6201.00

Additional UKAS Scale Calibrations for individual block £291.00 UKAS Recalibrations of existing blocks (Pass or Fail) £291.00

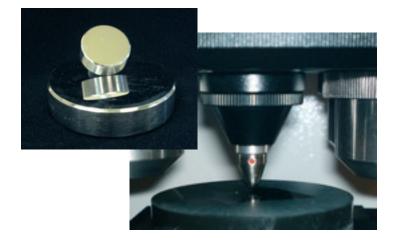
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18

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

0		
INDENTOR TYPE AND REFERENCE NUMBERS	UKAS Certified	No Certificate
ROCKWELL		
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.	£432.00	£380.00
NON-STANDARD: RI 034 RI 002 RI 003 RI 004	£547.00	£485.00
Repair of Rockwell Indenters (all types)	£359.00	£319.00
UKAS Certification of Rockwell Indenters all types (Pass or Fail)	£282.00	
All UKAS certified Rockwell Indenters will be supplied with a		

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



QMount

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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