

Chennai Metco

for your metallurgy

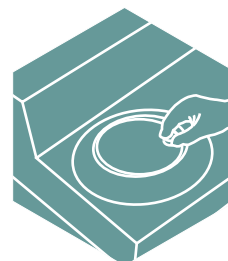
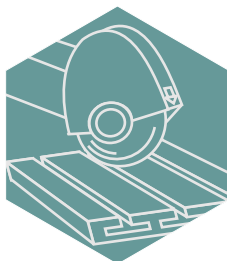
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2016-17



Finest products for
Micro Structure Analysis

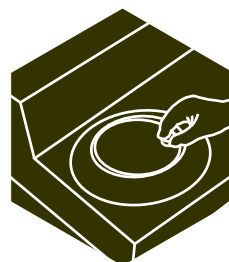
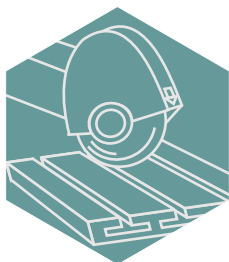
Consumables Catalogue

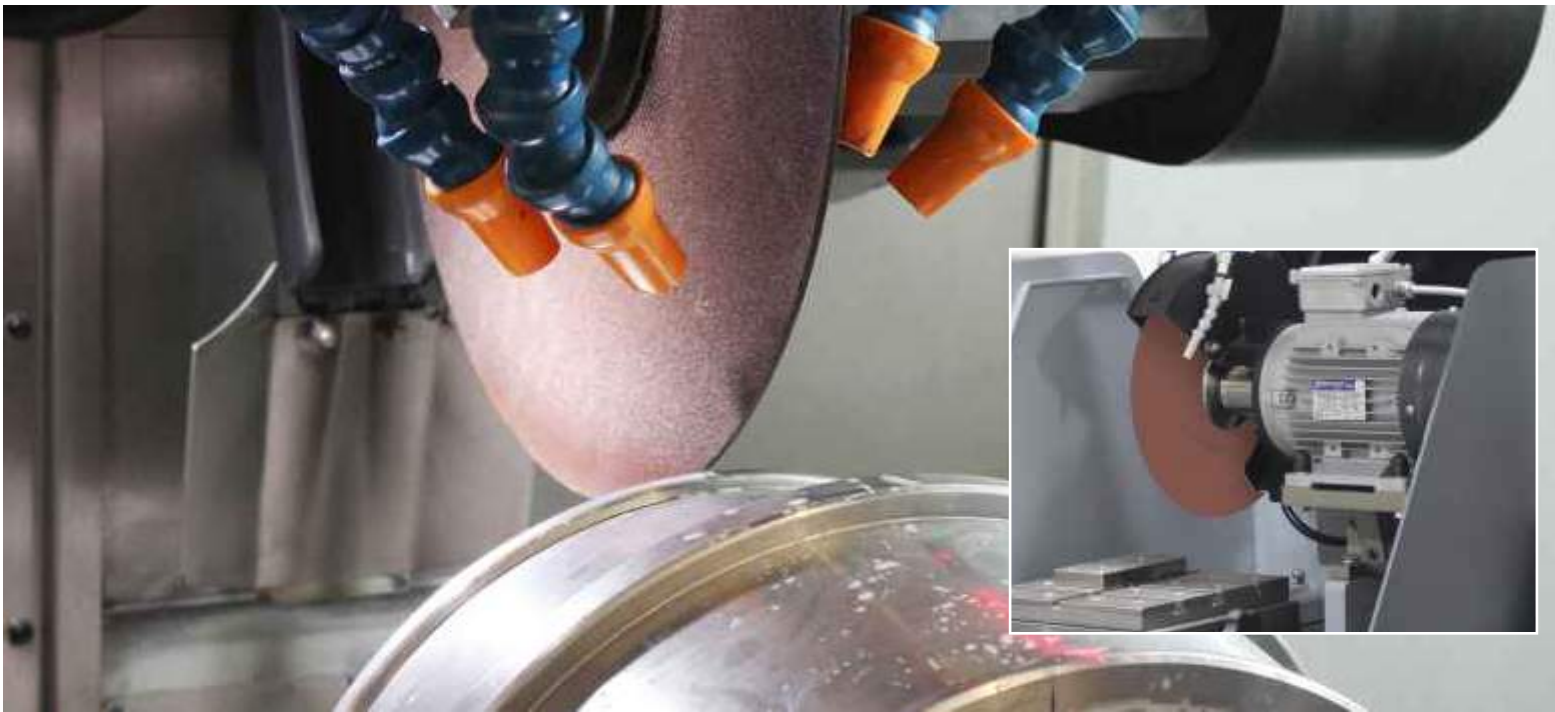




Role of Consumables

Sample preparation requires good quality consumables that improve the results of Microstructure analysis. We at Chennai Metco manufacture consistent, quality consumables for your metallography needs. The usage of right consumables at every stage of sample preparation aid in obtaining enhanced results. Thus Consumables are the key of your Metallography preparation. Choose them wisely.





SECTIONING

Choosing the Right Wheels for Right Application is important. Wrong choice of Wheels can sometimes lead to damaging your specimen.

Using Appropriate grade of wheels makes a big difference in the cutting performance.

The appropriate power, cutting mode / feed combined with the right wheel is the recipe for success in abrasive cutting.



Breakage of wheels or damage to the cutting surface can best be avoided by proper care.






ABRASIVE CUT OFF WHEELS

Plain cut off wheels


Cutting Wheels	Application	Dimensions (mm)	Code No
<p>General purpose Wheels</p> 	<p>Used on Ferrous Materials with Hardness upto 45 HRC</p>	200 x 31.75 x 1	CW001R
		200 x 31.75 x 1.5	CW01R-1.5
		250 x 31.75 x 1.5	CW002
		300 x 31.75 x 2	CW003
		350 x 31.75 x 2.5	CW004
<p>Wheel for Hard steel</p> 	<p>Used on Hard Ferrous Materials with Hardness 45 – 65 HRC</p>	200 x 31.75 x 1	CW01S-1
		200 x 31.75 x 1.5	CW001S
		203 x 25.4 x 0.7	CW01S-0.7
		250 x 31.75 x 1.5	CW005
		300 x 31.75 x 2	CW006
		350 x 31.75 x 2	CW007

ABRASIVE CUT OFF WHEELS


Plain cut off wheels

Cutting Wheels	Application	Dimensions (mm)	Code No
Wheels for non Ferrous & cast iron 	Non-ferrous Materials, Aluminum alloys, Cast Iron	350 x 31.75 x 3	CWA008
		200 x 1.5 x 31.75	CWA005
		250 x 1.5 x 31.75	CWA006
		300 x 1.5 x 31.75	CWA007

Breakage Resistant cut off wheels

Cutting Wheels	Application	Dimensions (mm)	Code No
Partially Reinforced wheels 	Used on Ferrous Materials with Hardness up to 45HRC. Suited to Heavy duty components	300 x 31.75 x 1.5	CW003PR
		400 x 31.75 x 3.2	CW009PR
		500 x 31.75 x 3.2	CW013P
		500 x 40 x 3.2	CW014
	Used on Hard Ferrous Materials with Hardness up to 65HRC. Suited to Heavy duty components	500 x 31.75 x 3.2	CW013S

High Breakage Resistant cut off wheels

Cutting Wheels	Application	Dimensions (mm)	Code No
Fully Reinforced wheels 	Used on Ferrous Materials with Hardness up to 45HRC. More Breakage Resistant for Tough cutting applications	350 x 31.75 x 3	CWF008FR
		400 x 31.75 x 3.2	CW009FR
		500 x 31.75 x 3.2	CW015FR

ABRASIVE CUT OFF WHEELS

SUPREME CUTTING FINISH

USA GRADE

Used on Abrasive cutting Machines

Application	Dimensions (mm)	Code No
Tool Steels, Cast Iron (above 60HRC)	255 x 1.5 x 31.75	CW-031
Hardened Steels (above 50HRC)	255 x 1.5 x 31.75	CW-032
Medium Hard Steels and Super alloys (35-50 HRC)	255 x 1.5 x 31.75	CW-033
Medium Soft Metals (15-35 HRC)	255 x 1.5 x 31.75	CW-034
For Aluminium, Brass, Titanium and Zirconium	255 x 1.5 x 31.75	CW-036

USA GRADE

Used on Precision cutting Machines

Application	Dimensions (mm)	Code No
For Titanium and other Alloys	152 x 1 x 16	647
General Ferrous	101 x 0.3 x 12.7	4F12
General Non Ferrous	101 x 0.3 x 12.7	4NF12
General Ferrous	127 x 0.5 x 12.7	5F20H
Soft to Medium hard Ferrous (below 45 HRC)	127 x 0.3 x 12.7	5F20S

USA GRADE

- * **Wheels of other higher dimensions are also available in USA range.**
- * **Rubber bonded wheels for high quality burn-free sectioning also available**

PRECISION CUT OFF WHEELS

(FOR SMALL COMPONENTS & THIN SLICING APPLICATIONS)

Imported

Used on Abrasive Cutting Machines

German GRADE

Cutting Wheels	Application	Dimensions (mm)	Code No
	Used on Mild Steel, Structural Steel, Free cutting steel, Spring Steel, Piano Wire, Perm alloy, Nichrome (Upto 40HRC)	150 x 0.5 x 25.4	PCW0001
		150 x 1.0 x 25.4	PCW0002
		205 x 0.8 x 31.75	PCW0003
		255 x 1.2 x 31.75	PCW0004
		305 x 1.2 x 31.75	PCW0005
	Used on Hard Ferrous Alloys, Alloy Tool Steel, Bearing Steel, Stainless Steel, Heat resistant Steel, Invar Steel, Silicon Steel, Hardened Steels (Upto 60HRC)	150 x 0.5 x 25.4	PCW1001
		150 x 1.0 x 25.4	PCW1002
		205 x 0.7 x 31.75	PCW1003
		255 x 1.2 x 31.75	PCW1004
		305 x 1.2 x 31.75	PCW1005
		355 x 2.0 x 31.75	PCW1006
		405 x 2.5 x 31.75	PCW1007
	Used on Medium Soft Steels, Thin cut, Cast Iron, Cast Steel, KS Steel, Brass, Bronze, Aluminium alloys, Tungsten Molybdenum alloy, Pure Titanium(α alloy), Lead alloy, Glass (15-35HRC)	150 x 0.5 x 25.4	PCW2001
		205 x 0.8 x 25.4	PCW2002
		230 x 1.2 x 31.75	PCW2003
		255 x 1.2 x 31.75	PCW2004
Spacer	Description	Size (mm)	Code No




Spacer to fit in 1" Spindle and wheel with 31.75 mm ID

25.4mm ID

CWS06

DIAMOND WAFERING BLADES

Wafering Blade	Application	Dimensions (mm)	Code No
	Alumina ceramic, Silicon-Nitride ceramic, glass, copper, and iron, ruby, Quartz, Silica	100 x 12.7 x 0.3 To be used in diamond saws	T4DW
		150 x 31.75 x 1	CWD002
		200 x 31.75 x 1.2	CWD003
		250 x 31.75 x 1.4	CWD004

DIAMOND WAFERING BLADE

USA GRADE



Wafering Blade	Application	Dimensions (mm)	Code No
	Ceramics, Carbides, Boron Composites, Glass, Refractory (above 60HRC) Used in Precision Saws	75 x 12.7 x 0.15	M306L
		100 x 12.7 x 0.3	M412L
		125 x 12.7 x 0.4	M515L
		150 x 12.7x 0.5	M620L
		175 x 12.7x 0.6	M725L
	Polymers, PC Boards, Titanium, Thermal Spray Coating Used in Precision Saws	75 x 12.7 x 0.15	M306H
		100 x 12.7 x 0.3	M412H
		125 x 12.7 x 0.4	M515H
		150 x 12.7x 0.5	M620H
		175 x 12.7x 0.6	M725H
	Hard Ferrous materials	200 x 31.75 x 1.1	M845D
		250 x 31.75 x 1.3	M1050D
		300 x 31.75 x 1.6	M1262D
		355 x 31.75 x 1.8	M1470D

USA GRADE

CBN WAFERING BLADES


CBN WAFERING BLADE

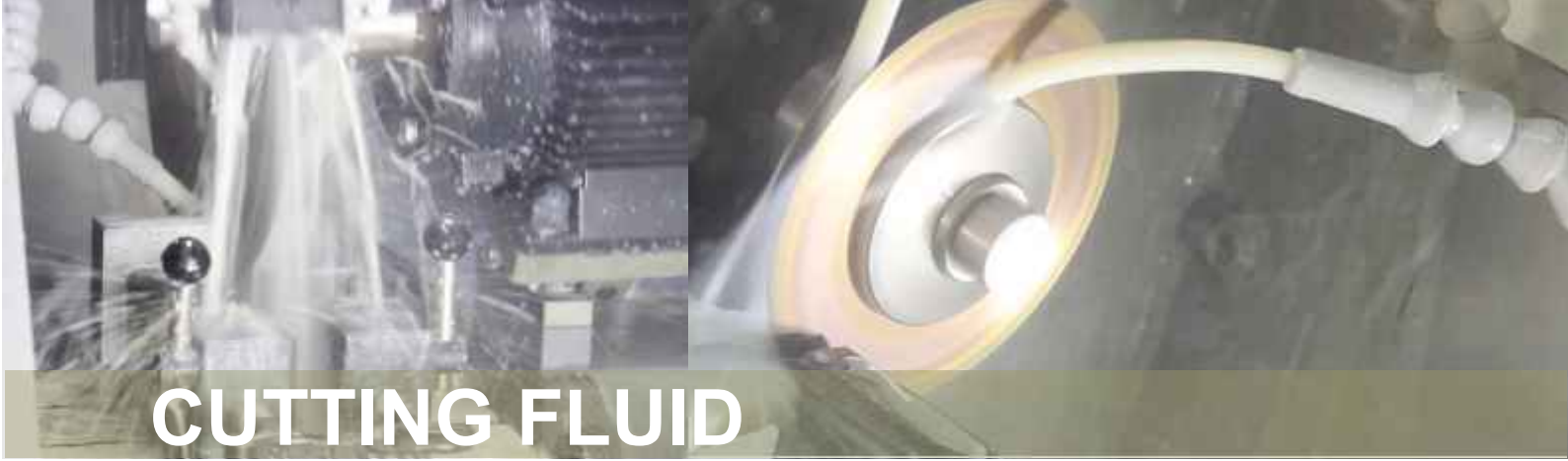
USA GRADE

Wafering blade	Application	Dimensions (mm)	Code No
	High speed steels, Inconel, Stellite, Iron and Cobalt based alloys, Nickel based Super alloys, Lead base alloys, Titanium alloys and Stainless Steels. (Used on low speed /High speed) Used in Precision Saws	75 x 12.7 x 0.15	M306C
		100 x 12.7 x 0.3	M412C
		125 x 12.7 x 0.4	M515C
		150 x 12.7 x 0.5	M620C
		175 x 12.7 x 0.6	M725C
	High speed steels, Inconel, Stellite, Iron and Cobalt based alloys, Nickel based Super alloys, Lead base alloys, Titanium alloys and Stainless Steels. (Used on High speed)	200 x 31.75 x 1.1	M845C
		250 x 31.75 x 1.3	M1050C
		300 x 31.75 x 1.6	M1262C
		355 x 31.75 x 1.8	M1470C

USA GRADE

Dressing Sticks

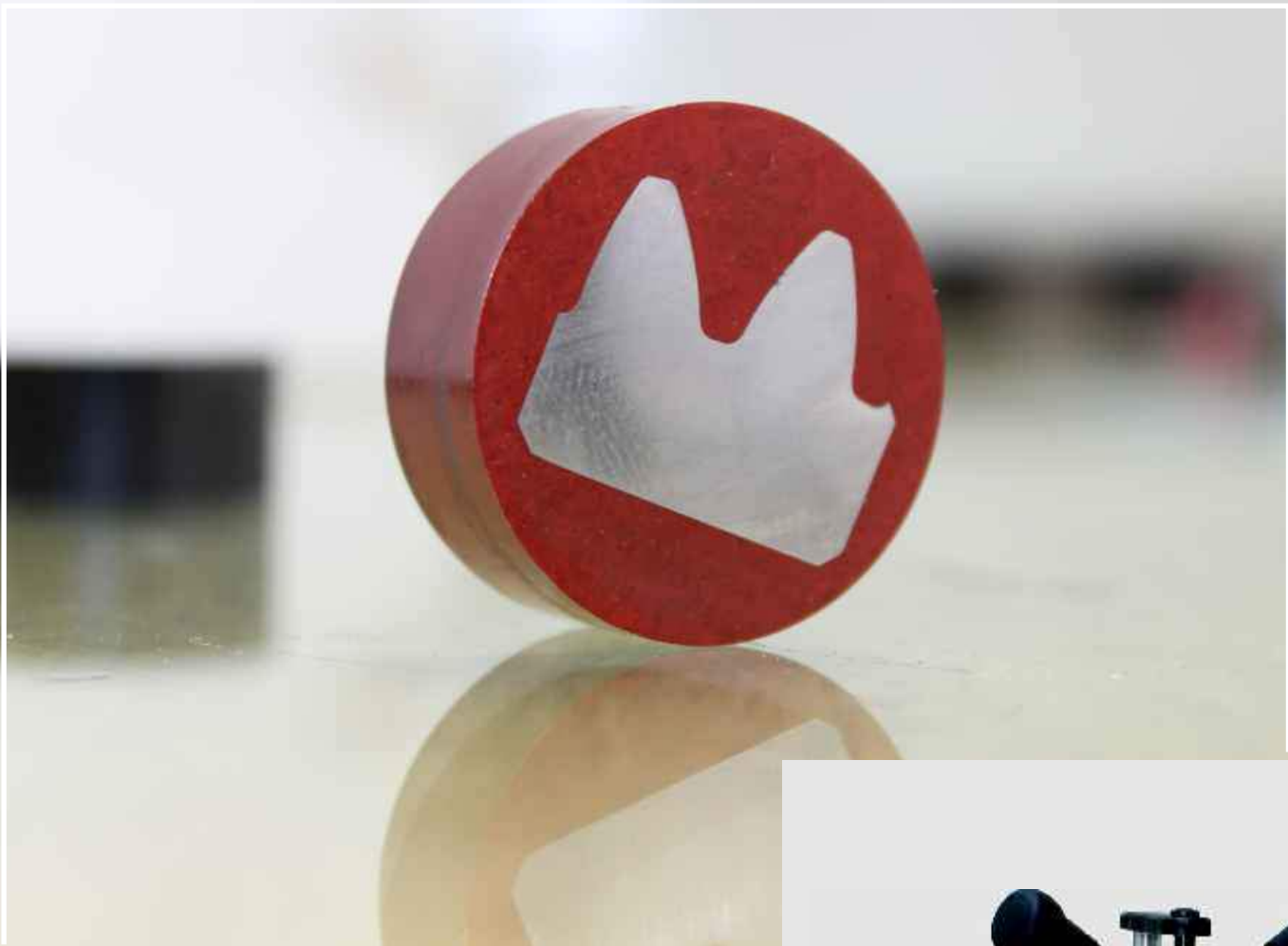
Product	Description	Size (mm)	Code No
	Used on new and frequently used diamond wafering blades and grinding discs to maintained superior cutting performance	4" x 0.5"	DS-10



CUTTING FLUID

Product	QTY	Weight KG	Code No
<p>Coolant Oil</p> <p>Water soluble coolant, used in the ratio 1:30 (Oil:Demin Water) For abrasive cutting operations</p>	1 Ltr	1.2	CWC 007
<p>Coolant for Precision Saws</p> <p>Oil-based coolant which can efficiently reduce the Cycle time of Cutting. Used with precision cutting saws.</p>	1 Ltr	1.2	DB 101





MOUNTING

Mounting aids in easy handling of the sample and to preserve the edges of the sample.

Chennai Metco offers a wide range of mounting resins in hot and cold mounting systems that suits your application at its best.





HOT MOUNTING CONSUMABLES

Compression mounting powders

MOUNTING RESIN	Colour	Code No
Phenolic Powder Used for regular analysis , with Fast cycle time	Black	MB101
	Red	MB102
	Green	MB103
Transparent Powder Suited to applications that require Complete visibility of the sample, good flow characteristics	White	MT104
Transparent Granules Suited to applications that require Complete visibility of the sample, moderate flow characteristics	Transparent Granules	MTG105
Conductive Powder Applied across analysis that requires the a Conductive sample , for SEM analysis	Brown	MB105



PRODUCT NAME	DESCRIPTION	QTY	CODE NO
Mold Release Spray 	Sprayed on the walls of the mounting chamber for easy removal of the mold	200 ml	MS001
Mold Release Powder	Highly efficient Anti-Stick agent sprinkled on the walls of the mounting chamber	10g	MS002

For better edge retention choose premium quality products



HOT MOUNTING CONSUMABLES

Compression mounting powders - Premium quality

MOUNTING RESIN	Colour	Code No
<p>Phenolic Powder</p> <p>Used for Regular analysis with of Medium hard materials</p> <p>Moderate Edge retention</p>	<p>Black</p> <p>Red</p> <p>Green</p>	<p>M126</p> <p>M127</p> <p>M128</p>
<p>Epoxy Powder (coarse glass filled)</p> <p>Used for Regular analysis of Hard Materials</p> <p>Good edge retention</p>	<p>Black</p>	<p>M129C</p>
<p>Epoxy Powder (Fine glass filled)</p> <p>Used for High end applications like coating thickness and case depth measurement, fastener profile analysis, etc</p> <p>Applied on Hard materials</p> <p>Excellent edge retention</p>	<p>Black</p>	<p>M129</p>
<p>Epoxy Powder (Mineral filled)</p> <p>Used for High end applications like coating thickness and case depth measurement, fastener profile analysis, etc</p> <p>Applied on High Hardness materials</p> <p>Excellent edge retention</p>	<p>Black</p>	<p>MP5000</p>



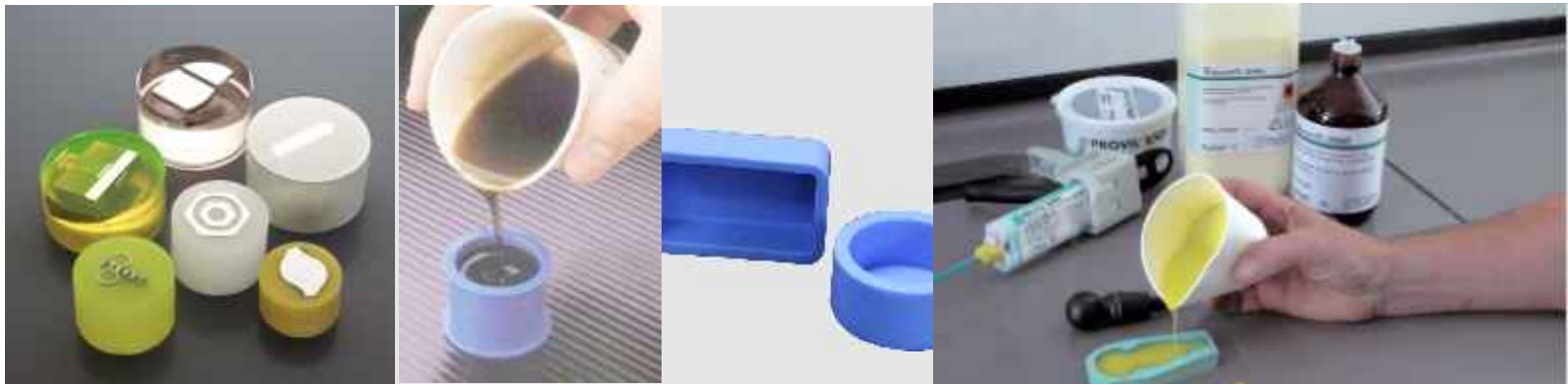


HOT MOUNTING CONSUMABLES

Compression mounting powders - Premium quality


MOUNTING RESIN	Colour	Code No
<p>Diallyl Phthalate (Glass filled)</p> <p>Used for High end applications like coating thickness and case depth measurement, fastener profile analysis, etc Applied on Moderately Hard materials</p> <p>Excellent edge retention</p>	Blue	M131
<p>Diallyl Phthalate (Mineral filled)</p> <p>Same as Glass filled Diallyl Phthalate but, More Abrasion resistant than Glass filled</p>		M130
<p>Transparent Powder</p> <p>Suited to applications that require complete visibility of the sample</p> <p>Fair Edge retention</p>	White	M125
<p>Technotherm 3000</p> <p>Applied across analysis that requires the a conductive sample, for SEM analysis</p> <p>Moderate Edge retentionn</p>	Brown	66003630








COLD MOUNTING CONSUMABLES

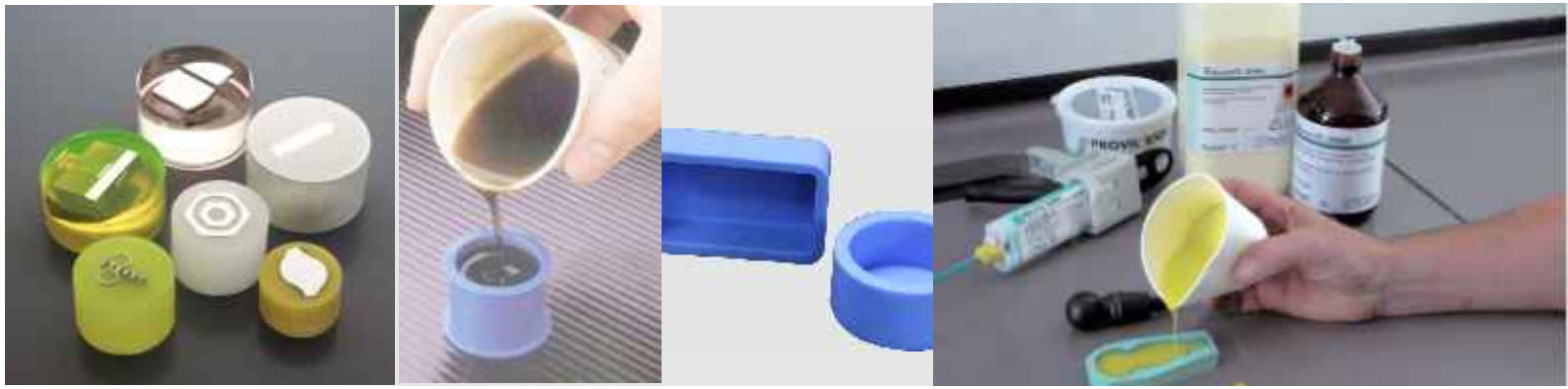
Cold Mounting Systems

Product	Description	Components	Code No
Cold Mounting Compound 	Resin : 2 parts Hardener : 1 part Curing time : 15 minutes Color : Pink, opaque Used for general day to day analysis.	400grams Powder + 400 ml Liquid	MC001

Cold Mounting Systems

German Grade





Product	Mixing Ratio / Volume Ratio	Curing Time	Components	Code No
Technovit Epox + (Choose A or B) Transparent High clear Embedding, No vacuum unit required	Resin: Hardener 2 : 1 	10 Hours 18 hours (at 25°C) 3 hours (at 40°C)	Resin (1000mL) Hardener Regular A (1000mL) Hardener Fast B (1000mL)	TECH001 TECH001 TECH001
Technovit 4000 Gap free, Non shrinkage embedding, white colored opaque mold	Powder:Syrup1:Syrup2 2 : 2 : 1 	10 -13 min	Powder (1500g) Syrup1(1000 ml) Syrup 2 (500 ml)	TECH026 TECH026 TECH026
Technovit 4002 Gap free embedding, white colored opaque mold Good grinding properties	Powder : Liquid 5 : 3 	12 -17 min	Powder (1000g) Liquid (1000ml)	TECH004 TECH004

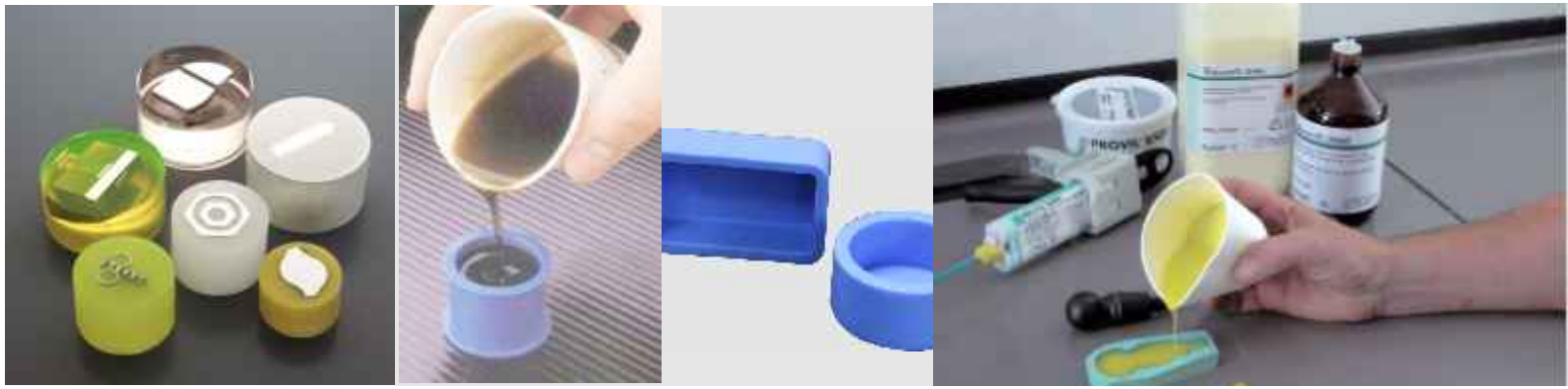


COLD MOUNTING CONSUMABLES

Cold Mounting Systems

German Grade

Product	Mixing Ratio / Volume Ratio	Curing Time	Components	Code No
Technovit 4004 Transparent embedding for Routine examination Vacuum unit required	Powder : Liquid 2 : 1 	9 - 12 min	Powder (1000g) Liquid (1000ml)	TECH0015 TECH0015
Technovit 4006 High clear embedding Vacuum unit required	Powder : Liquid 2 : 1 	9 - 12 min	Powder (1000g) Liquid (1000ml)	TECH0014 TECH0013
Technovit 4006SE High clear embedding Vacuum unit required	Powder : Liquid 2 : 1 	11 - 15 min	Powder (1000g) Liquid (1000ml)	TECH0030 TECH0030
Technovit 4071 Green semitransparent mold, Quick embedding	Powder : Liquid 2 : 1 	5 - 7 min	Powder (1000g) Liquid (1000ml)	TECH005 TECH005



COLD MOUNTING CONSUMABLES

Cold Mounting Systems

German Grade

Product	Mixing Ratio / Volume Ratio	Curing Time	Components	Code No
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Technovit 5071
Technovit Universal
Liquid

Powder : Liquid
2 : 1

8 - 10 min

Powder (1000g)
Liquid (1000ml)

TECH008
TECH009

Green semitransparent embedding



Dissolves in acetone

Technovit 5000

Powder : Liquid
20g : 30ml

7 - 12 min

Powder (1000g)
Liquid (1000ml)

TECH023
TECH023

Conductive material embedding, Brown opaque mold



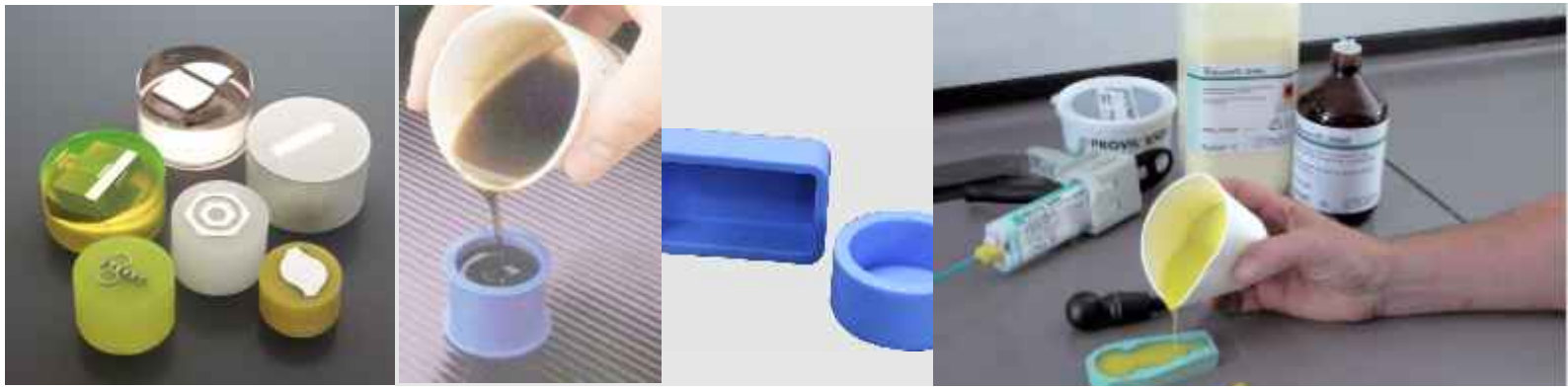
For SEM analysis

Vacuum impregnation system Systems

Vacuum impregnation system is a compact pressure unit specially designed for processing transparent resins. The device is highly recommended for analysis that requires high quality bubble – free test samples.



PRODUCT	QTY	Code No
Vacuum impregnation system	1 No	VM-2000



COLD MOUNTING CONSUMABLES

Precision Impression German Grade

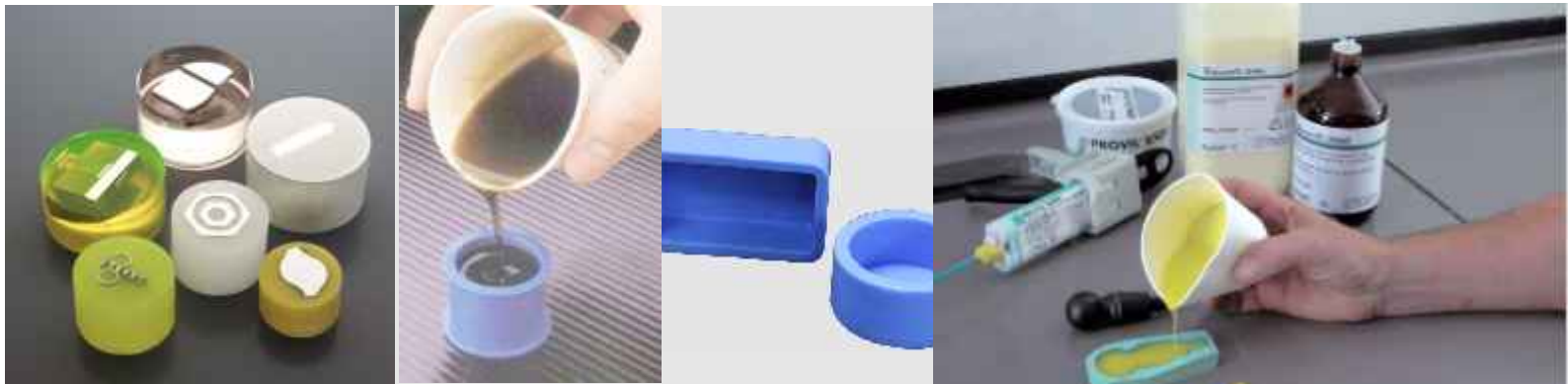


For indirect inspection of the surface.

For 1 μ dimensional accuracy choose Technovit 3040, for < 0. 1 μ dimensional accuracy choose Provil Novo




Product	Mixing Ratio / Volume Ratio	Components	QTY	Code No
Technovit 3040	Powder : Liquid Ratios between 1 : 1 and 3 : 1	Technovit Universal Liquid (Choose C or D)	1000 ml	TECH010
		Yellow Powder (C)	1000 g	TECH011
		Black Powder (C)	1000 g	TECH012
Provil Novo Putty Regular	Base : Catalyst 1 : 1	Base	450 ml	TECH017
		Catalyst	450 ml	
Provil Novo Putty Regular Soft	Base : Catalyst 1 : 1	Base Catalyst	450 ml 450 ml	TECH024
Provil Novo Light Regular	Base : Catalyst 1 : 1	One component	2 X 50 ml	TECH025

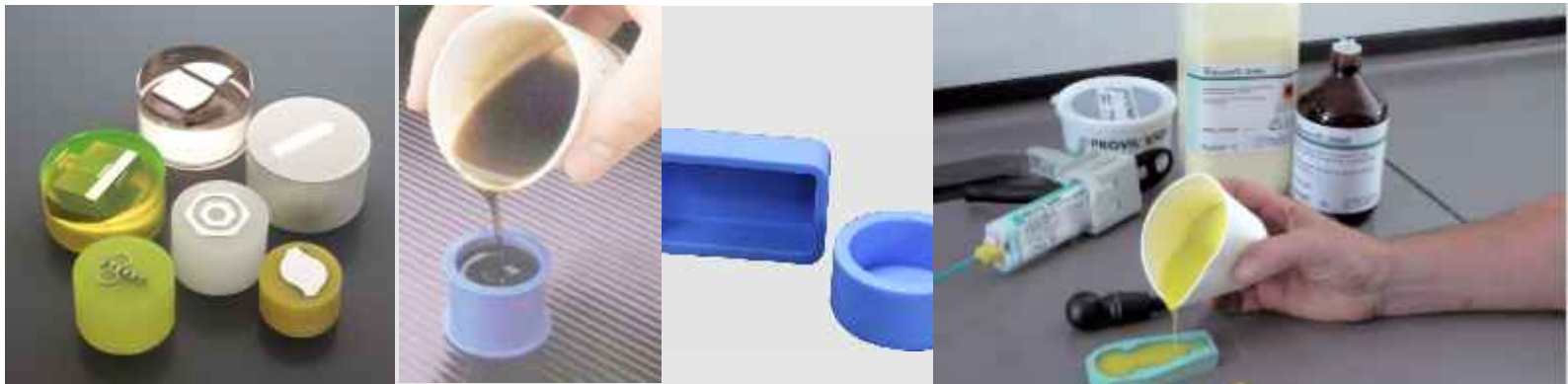




COLD MOUNTING CONSUMABLES

Cold Mounting Accessories

Product	Product Name	Size	Code No
	Rubber Mould	20 mm	MDSI001
		25 mm	MDSI002
		30 mm	MDSI003
		40 mm	MDSI004
		50 mm	MDSI005
		(55 x 25) mm	MDSI006
		(70 X 40) mm	MDSI007
		(100 x 50) mm	MDSI008
	Metallic Die	1"	MDI001
		1 ¼ "	MDI002
		1 ½ "	MDI003
		2"	MDI004
	Reusable Plastic Mould	30 mm	MPSI011
	Plastic Holding Clips (100 Nos)	0.25 (kg)	MCL001



COLD MOUNTING CONSUMABLES

Cold Mounting Accessories

Premium Quality

Rubber mould

Grade	Size	Code No
US Grade	1"	M157
	1 1 / 4 "	M158
	1 1 / 2 "	M159
	2 "	RM2
	3 "	RM3A

German Grade

15 mm, 25 mm
30 mm, 40 mm
50 mm

TECH0018

Mixing Cup and Spatula

German

Grade	Size	Code No
Mixing Cup	10 Nos	TECH0020
Mixing Spatula	10 Nos	TECH0021

Plastic Molding Clips:

USA

Grade	Size	Code No
Metal Clips	100 Nos	M163
Black Plastic Clips	100 Nos	M174







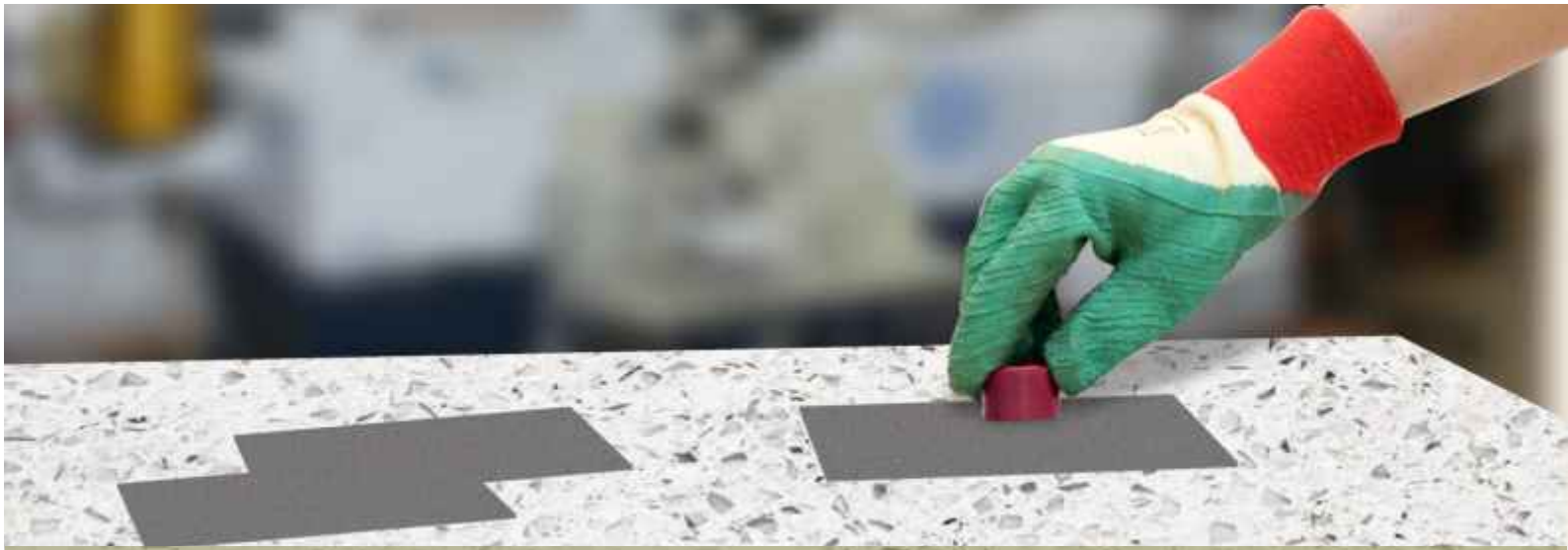
GRINDING

Grinding operation is intended to achieve flatness for further sample preparation.

The fascinating range of grinding consumables offered by Chennai Metco aids in achieving quick results

GRINDING BELTS FOR PLANAR GRINDING

Product	Dimension (mm)	Grit Size	Code No
 <p>Abrasive Belt</p> <p>Coarse grinding of general ferrous and non ferrous materials</p>	100 X 915	60	BA001
		80	BA002
		120	BA003
		220	BA007
		320	BA006
		400	BA004
600	BA005		
 <p>Wet Belt</p> <p>Coarse grinding of general ferrous and non ferrous materials. Can be used with water</p>	100 X 915	80	WBA002
		120	WBA003
 <p>Zircon Belt</p> <p>Coarse grinding of Stainless Steels and aluminium alloys</p>	100 X 915	60	ZBA001
 <p>Heavy Duty Belt</p> <p>Coarse grinding of general ferrous and non ferrous materials.</p> <p>Used for grinding large components.</p>	150 X 1220	60	HB001
		80	HB002
		120	HB003
 <p>Finishing Belt</p> <p>Same as Heavy Duty belts but for different dimension components.</p>	50 X 2000	60	LBA001
		80	LBA002



GRINDING PAPERS

SiC Papers for manual grinding

Available Grit Size	Sheet Dimension 9" X 11" Without PSA
80	ES001
120	ES002
180	ES003
220	ES004
320	ES005
400	ES006
600	ES007
800	ES008
1000	ES009
1200	ES010
1500	ES011
2000	ES012

USA Grade

SiC Papers for manual grinding



Available Grit Size	Sheet Dimension 9" X 11" Without PSA
80	M109-60
120	M109-120
180	M109-180
240	M109-240
320	M109-320
400	M109-400
600	M109-600



SiC Papers - Plain Backing

Grinding Disc	GRIT	8" Code no	10" Code no	12" Code no
Without PSA (Water Proof)	80	ED001	EDE001	ESE101
	120	ED002	EDE002	ESE102
	180	ED003	EDE003	ESE103
	220	ED004	EDE004	ESE104
	320	ED005	EDE005	ESE105
	400	ED006	EDE006	ESE106
	600	ED007	EDE007	ESE107
	800	ED008	EDE008	ESE108
	1000	ED009	EDE009	ESE109
	1200	ED010	EDE010	ESE110
	1500	ED011	EDE011	ESE111
	2000	ED012	EDE012	ESE112

SiC Papers - Plain Backing

USA Grade

Grinding Disc	GRIT	8" Code no	10" Code no	12" Code no
Without PSA (Water Proof)	60	M106-60	M180-60	M120-60
	120	M106-120	M180-120	M120-120
	180	M106-180	M180-180	M120-180
	240	M106-240	M180-240	M120-240
	400	M106-400	M180-400	M120-400
	600	M106-600	M180-600	M120-600
	800	M106-800	M180-800	M120-800
	1200	M106-1200	M180-1200	M120-1200



SiC Papers - PSA Backing

Grinding Disc	GRIT	8" Code no	10" Code no	12" Code no
With PSA (Water Proof)	80	EA001	EAE001	ESE121
	120	EA002	EAE002	ESE122
	180	EA003	EAE003	ESE123
	220	EA004	EAE004	ESE124
	320	EA005	EAE005	ESE125
	400	EA006	EAE006	ESE126
	600	EA007	EAE007	ESE127
	800	EA008	EAE008	ESE128
	1000	EA009	EAE009	ESE129
	1200	EA010	EAE010	ESE130
	1500	EA011	EAE011	ESE131
	2000	EA012	EAE012	ESE132

SiC Papers - PSA Backing

USA Grade

Grinding Disc	GRIT	8" Code no	10" Code no	12" Code no
With PSA (Water Proof)	60	M112-60	M160-60	M115-60
	120	M112-120	M160-120	M115-120
	180	M112-180	M160-180	M115-180
	240	M112-240	M160-240	M115-240
	400	M112-400	M160-400	M115-400
	600	M112-600	M160-600	M115-600
	800	M112-800	M160-800	M115-800
	1200	M112-1200	M160-1200	M115-1200



PREMIUM QUALITY MAGNETIC SYSTEM

Reduces the time involved in replacing PSA backed consumables

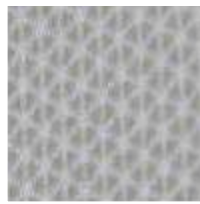
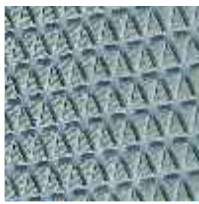
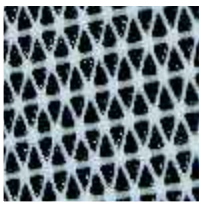
This magnetic system consists of magnetic substrate disc and a ferromagnetic carrier sheet.

Product Name	8" Code no	10" Code no	12" Code no
Magnetic Substrate Disc PSA backing Pasted on the Aluminium platen	TMGD801	TMGD802	TMGD803
Ferromagnetic Carrier Sheet for sand paper / cloths Attached on the magnetic disc Serves as backing for PSA backed consumables	TMGDF801	TMGDF802	TMGDF803

PREMIUM QUALITY ADHESIVE SYSTEMS

Product Name	8" Code no	10" Code no	12" Code no	14" Code no
Double PSA FOIL Double sided adhesive interface discs which are used to attach non-adhesive consumables	AS200	AS250	AS300	AS350
MD FUGO DISCS Magnetic Rubber discs with an adhesive side to attach non-adhesive papers Fixation on Magnetic Platen	M194-81	M194-10	M194-12	
FAST-FIX Adapter discs Single High friction surface on one side to hold the PET backed consumables. Adhesive interface on the other side to stick on to the platen	AF200	AF250	AF300	AF350

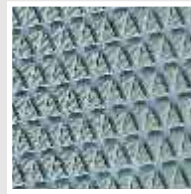
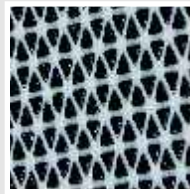
DIAMOND EMBEDDED DISCS



Replaces the conventional silicon carbide abrasive discs. Can process thousands of samples.

Minimizes Edge Rounding of the sample





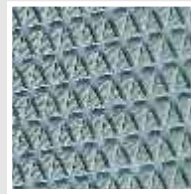


Diamond Embedded Discs

Resin Bonded Discs

German Grade

Embedded Disc	Size μm	Diameter (mm)	Code No. PSA backed	Code No. Metal backed
APOLLO S Hard Ferrous materials	125	200	DRS1251	DRM1251
		250	DRS1252	DRM1252
		300	DRS1253	DRM1253
		350	DRS1254	DRM1254
	91	200	DRS911	DRM911
		250	DRS912	DRM912
		300	DRS913	DRM913
		350	DRS914	DRM914
	75	200	DRS751	DRM751
		250	DRS752	DRM752
		300	DRS753	DRM753
		350	DRS754	DRM754
	54	200	DRS541	DRM541
		250	DRS542	DRM542
		300	DRS543	DRM543
		350	DRS544	DRM544
18	200	DRS181	DRM181	
	250	DRS182	DRM182	
	300	DRS183	DRM183	
	350	DRS184	DRM184	
CARAT Fine grinding application. Nitride and oxide layer on steel can be ground without chipping.	15	200	DRS151	DRM151
		250	DRS152	DRM152
		300	DRS153	DRM153
	6	200	DRS61	DRM61
		250	DRS62	DRM62
		300	DRS63	DRM63
	3	200	DRS31	DRM31
		250	DRS32	DRM32
		300	DRS33	DRM33
				



Diamond Embedded Discs

Resin Bonded Discs

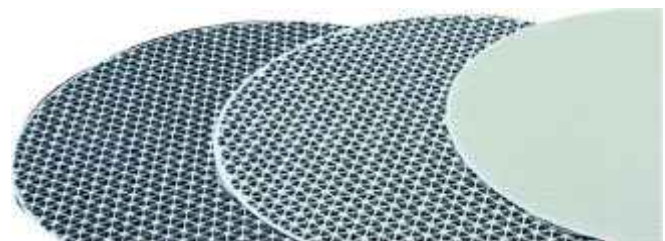
German Grade

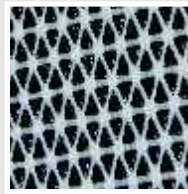
Embedded Disc	Size μm	Diameter (mm)	Code No. PSA backed	Code No. Metal backed
SQUADRO M Patterned Surface Reduces the grinding time compared to Apollo and Carat discs	60	200	DRS601T	DRM601T
		250	DRS602T	DRM602T
		300	DRS603T	DRM603T
		350	DRS604T	DRM604T
	30	200	DRS301T	DRM301T
		250	DRS302T	DRM302T
		300	DRS303T	DRM303T
		350	DRS304T	DRM304T
	15	200	DRS151T	DRM151T
		250	DRS152T	DRM152T
		300	DRS153T	DRM153T
		350	DRS154T	DRM154T
	6	200	DRS61T	DRM61T
		250	DRS62T	DRM62T
		300	DRS63T	DRM63T
		350	DRS64T	DRM64T
3	200	DRS31T	DRM31T	
	250	DRS32T	DRM32T	
	300	DRS33T	DRM33T	
	350	DRS34T	DRM34T	



Note:

Lubricant : Water / Water free lubricants for corrosive materials.

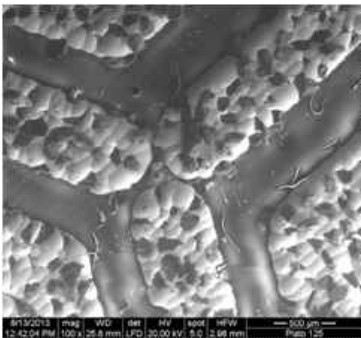




Diamond Embedded Discs

Metal Bonded Discs German Grade

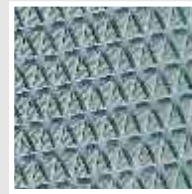
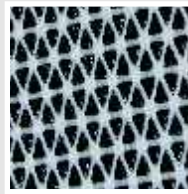
Embedded Disc	Size μm	Diameter (mm)	Code No. PSA backed	Code No. Metal backed
PLATO High hardness ferrous material, concrete and ceramics	125	200	DMS1251	DMM1251
		250	DMS1252	DMM1252
		300	DMS1253	DMM1253
	75	200	DMS751	DMM751
		250	DMS752	DMM752
		300	DMS753	DMM753
	54	200	DMS541	DMM541
		250	DMS542	DMM542
		300	DMS543	DMM543
10	200	DMS101	DMM101	
	250	DMS102	DMM102	
	300	DMS103	DMM103	



Note:

Lubricant : Water / Water free lubricants for corrosive materials.





Diamond Embedded Discs

Resin Bonded Discs

German Grade

Flexible Magnetic Backing

GRIT	8" (203 mm)	10" (254 mm)	12" (305 mm)
80	CM506-8G	CM506-10G	CM506-12G
120	CM506-8R	CM506-10R	CM506-12R
220	CM506-8Y	CM506-10Y	CM506-12Y
600	CM506-8B	CM506-10B	CM506-12B
1200	CM506-8O	CM506-10O	CM506-12O

Metal Bonded Discs

German Grade

PSA Backing



MICRON	8" (203 mm)	12" (305 mm)
163	M190-165	M191-165
70	M190-70	M191-70
45	M190-45	M191-45
30	M190-30	M191-30
15	M190-15	M191-15
9	M190-9	M191-9



SPECTRO GRINDING DISCS

Huge samples subjected to spectrographic analysis are coarse ground through these discs. The disc is composed of coarse alumina abrasive.

GRIT SIZE	Code no	SIZE (Dia X ID) mm	Backing Type
36	SGD002	350 x 40	Without PSA
60	SGD003	350 x 40	Without PSA
80	SGD004	350 x 40	Without PSA
40	SGD006PS	350 x 40	With PSA



PORTABLE GRINDING DISCS

These grinding discs are used in Portable Grinding Machines.

Applications that require the work piece to be tested in its original environment. Example: foundries, welding shops, fabrication plants, steel mills, forge shops and shipyard.

Available Grit Size (30 mm)	Code No With PSA
80	SED007
120	SED008
180	SED009
220	SED010
320	SED011
400	SED012
600	SED013
800	SED014
1000	SED015
1200	SED016
1500	SED017
2000	SED018

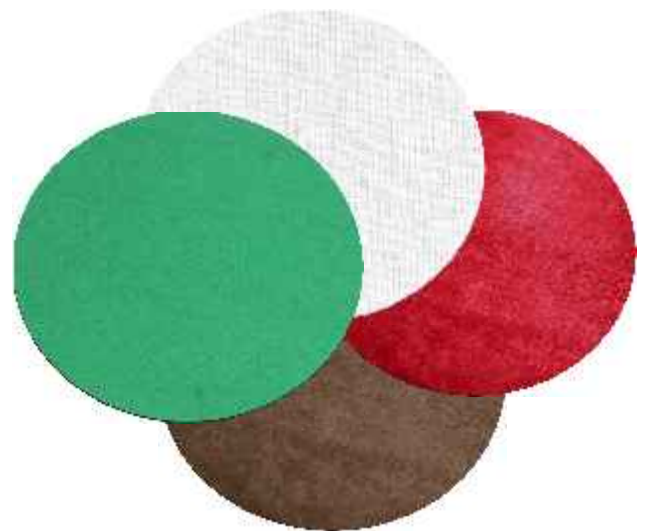


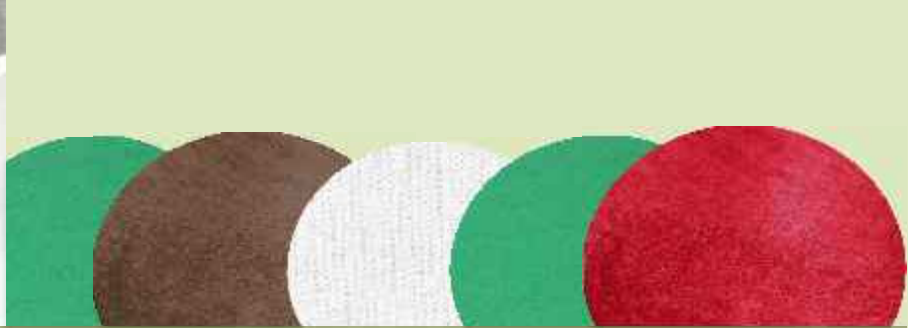


Polishing Cloth





Polishing operation is aimed at achieving mirror finish on the sample surface for further microscopic analysis. The right combination of material with proper polishing media yields a perfect finish most suitable for the application.

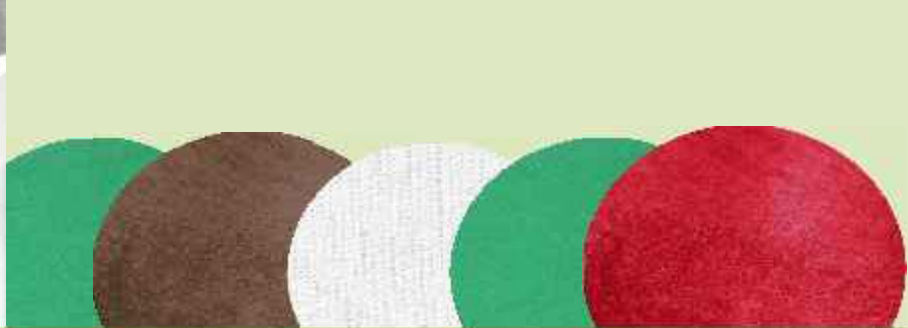
Chennai Metco offers a vast range of polishing consumables for most demanding applications.





POLISHING CLOTH

Cloth	NAP	Fabric	Recommended Use
BILLIARDS <i>Rough Polishing</i>	Napless 	Wool	Used with 6-12 μ diamond paste and aerosol spray.
VELVET <i>Fine Polishing</i>	Long Napped 	Synthetic	Used with 6-4 μ diamond paste and aerosol spray.
MICRO CLOTH <i>Ultra - Fine Polishing</i>	Short Nap 	Synthetic rayon	Used with 0.5-1 μ diamond paste and aerosol spray.
SELVYT <i>For Perfect mirror finish</i>	Short Piled 	Cotton	Alumina / colloidal silica suspension.



POLISHING CLOTH

Polishing Cloth Without PSA

Polishing Cloth	Product Name	QTY	10" Code No	12" Code No	14" Code No
Without PSA	Velvet	10	PC001	PC12V	PC14V
	Micro	10	PC002	PC12M	PC14M
	Selvyt	10	PC003	PC12S	PC14S
	Billards	10	PC004	PC12B	PC14B
	Velvet (Black)	10	LP10PC	LP12PC	
	Velvet (Brown)	10	LP10BR	LP12BRPC	

Polishing Cloth With PSA

Polishing Cloth	Product Name	QTY	8" Code No	10" Code No
With PSA	Velvet (Black)	10	LP001	LP002
	Velvet (Brown)	10	LP003	LP004



POLISHING CLOTH

Polishing Cloth

USA Grade

Polishing Cloth	Cloth Design	NAP	FABRIC	Recommended Use
<p>CHEM PAD</p> <p>Final polishing on titanium, stainless, lead/tin solders, electronic packages and soft non-ferrous and plastics</p>		Napless	Soft synthetic chemically resistant	Used with aluminum oxide powders, colloidal silica suspensions and 1 μ and finer diamond products
<p>DIA DAC</p> <p>Pre-polishing stages on ferrous and non-ferrous materials, petrographic samples and ceramics.</p>		Napless	Satin acetate woven pure medium hard silk cloth of very close weave	Used with 3 μ diamond products.
<p>DIA PLUS</p> <p>Polishing on Ferrous and sintered carbides. Excellent for unmounted samples or manual polishing</p>		Long Napped	Synthetic Cloth	Used with 3 μ and finer diamond products, alumina suspensions..
<p>DIA PLAN</p> <p>Maintain Flatness on hard / very hard materials.</p>		Napless	Woven polyester nylon cloth of close weave	Used with 15 to 3 μ diamond products.
<p>DIA MOL</p> <p>Typically used for softer materials</p>		Napless	Woven wool medium / soft	Used with 6 to 1 μ diamond. Alumina powders.

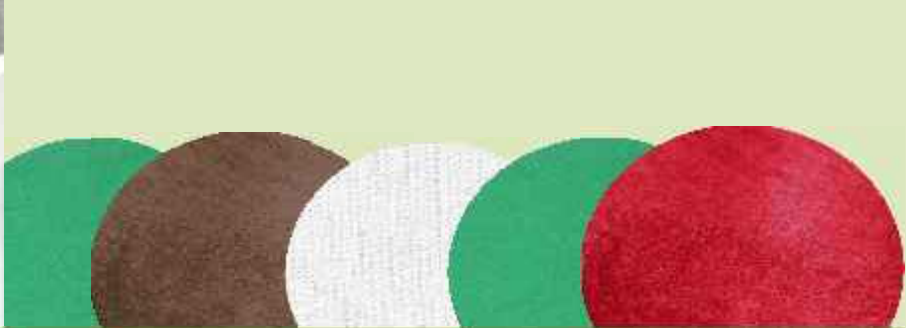


POLISHING CLOTH

Polishing Cloth

USA Grade

Polishing Cloth	Cloth Design	NAP	FABRIC	Recommended Use
<p>DNA-NAP</p> <p>Final Polishing of all ferrous metals and sintered carbides</p>		Very short napped	Synthetic Cloth	Used with 1 μ and finer diamond
<p>VEL LAP</p> <p>Used for Final polishing of soft metals. Pre-polishing stages on ferrous and non-ferrous materials, petrographic samples and ceramics</p>		Short Nap	White Synthetic	Used with Aluminas, diamond and colloidal silica suspensions.
<p>MICRO CLOTH</p> <p>Final polishing of all materials.</p> <p>Higher removal</p>		Short Napped	Synthetic rayon	Used with Alumina and 1 μ diamond suspension.
<p>RED FLAT</p> <p>Rough and intermediate polishing of all metals</p>		Napless	100% pure virgin wool fabric plucked rather than sheared pile	Used with 1 μ diamond and Alumina suspensions
<p>PAN W</p> <p>Maintain flatness, edge and inclusion retention in pre-polishing stages on metals, ceramics etc</p>		Napless	Hard Synthetic Chemotextile	Used with 3 μ or finer diamond compounds



POLISHING CLOTH

Polishing Cloth With PSA

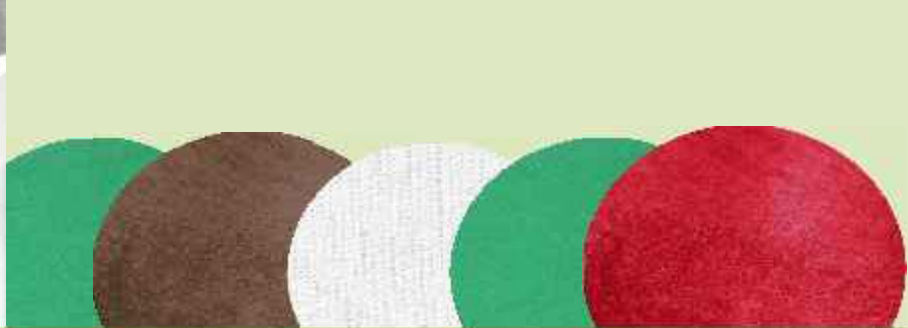
USA Grade

With PSA	No / Pack	8" Code No	10" Code No	12" Code No
Dia - Mol	5	M620-8PS	M620-10PS	M620-12PS
Dia - Nap	5	M630-8PS	M630-10PS	M630-12PS
Chem Pad	5	M660-8PS	M660-10PS	M660-12PS
Dia - Dac	5	M615-8PS	M615-10PS	M615-12PS
Dia - Plan	5	M610-8PS	M610-10PS	M610-12PS
Dia - Plus	5	M625-8PS	M625-10PS	M625-12PS
Red Felt	10	M570-8PS	M570-10PS	M570-12PS
Micro	10	M500-8PS	M500-10PS	M500-12PS
Vel Lab	10	M536-8PS	M536-10PS	M536-12PS
Pan W	10	M560-8PS	M560-10PS	M560-12PS

Polishing Cloth Magnetic Backing

USA Grade

With PSA	No / Pack	8" Code No	10" Code No	12" Code No
Dia - Mol	5	M620-8MD	M620-10MD	M620-12MD
Pan w	5	M560-8MD	M560-10MD	M560-12MD
Micro	5	M500-8MD	M500-10MD	M500-12MD
Dia Nap	5	M630-8MD	M630-10MD	M630-12MD
Chem Pad	5	M660-8MD	M660-10MD	M660-12MD
Dia Dac	5	M615-8MD	M615-10MD	M615-12MD
Dia Plan	5	M610-8MD	M610-10MD	M610-12MD
Dia Plus	5	M625-8MD	M625-10MD	M625-12MD

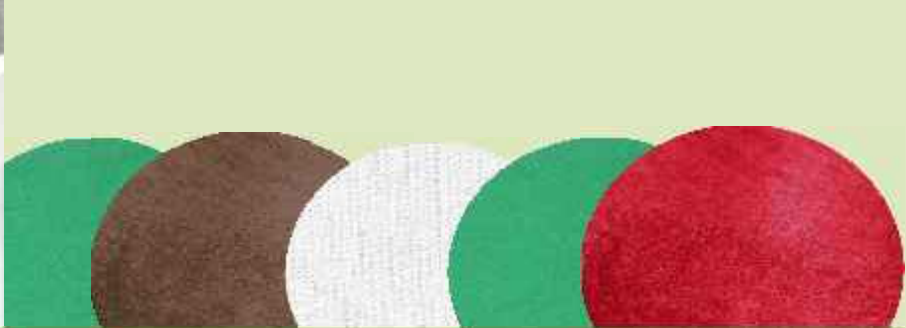


POLISHING CLOTH

Polishing Cloth

German Grade



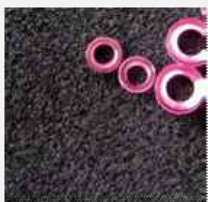

Polishing Cloth	Cloth Design	Thickness	FABRIC	Recommended Use
<p>QUICK-STEP</p> <p>First choice for pre-polishing. Very high removal rate on all materials</p>		0.5 mm	Hard Synthetic fibre	Used with 6 - 15μ diamond products
<p>STEP-PLUS</p> <p>Good removal rate and superb finishing on almost all materials</p>		0.75 mm	Medium hard synthetic fiber cloth	Used with 6 - 3μ diamond products
<p>SAMBA-N</p> <p>Fine polishing of larger workpieces, excellent for manual polishing</p>		0.65 mm	Medium hard woven wool polishing cloth	Used with 1 - 15μ diamond products.
<p>JAZZ-PLUS</p> <p>Good removal rate and superb finish on metals and optical materials preparation</p>		0.7 mm	Non-woven polishing pad, PU impregnated	Used with 1 - 6μ diamond products



POLISHING CLOTH

Polishing Cloth

German Grade

Polishing Cloth	Cloth Design	Thickness	FABRIC	Recommended Use
<p>FOX-PLUS</p> <p>Good removal rate and superb finishing on all kinds of metals</p>		0.85 mm	Flocked universal polishing pad	Used with 1 - 15μ diamond products
<p>SWING-PLUS</p> <p>Polishing pad for super-finishing.</p>		0.7 mm	Flocked universal polishing cloth with very low flock density	Used with 0.1 - 6μ diamond products
<p>ALUPOL-PLUS</p> <p>Perfect cross-over pad, for diamond and oxide polishing.</p>		0.6 mm	Flocked universal polishing cloth with extremely high flock density	Used with 0.1 - 3μ diamond, Alumina suspensions
<p>MAMBO</p> <p>Final finishing with oxide polishing slurries</p>		1.5 mm	Chemically resistant, spongy oxide polishing cloth	Alumina and colloidal silica suspensions



POLISHING CLOTH

Polishing Cloth With PSA

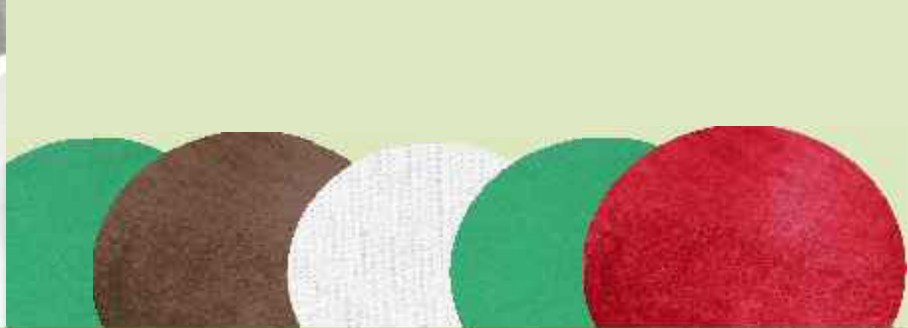
German Grade

With PSA	8" Code No	10" Code No	12" Code No	14" Code No	16" Code No
Quick-Step	PCG01	PCG11	PCG21	PCG31	PCG41
Step-Plus	PCG02	PCG12	PCG22	PCG32	PCG42
Samba-N	PCG03	PCG13	PCG23	PCG33	PCG43
Jazz-Plus	PCG04	PCG14	PCG24	PCG34	PCG44
Fox-Plus	PCG05	PCG15	PCG25	PCG35	PCG45
Swing-Plus	PCG06	PCG16	PCG26	PCG36	PCG46
Alupol-Plus	PCG07	PCG17	PCG27	PCG37	PCG47
Mambo	PCG08	PCG18	PCG28	PCG38	PCG48

Polishing Cloth Metal Backing

German Grade

With PSA	8" Code No	10" Code No	12" Code No	14" Code No
Quick-Step	PDG01	PDG11	PDG21	PDG31
Step-Plus	PDG02	PDG12	PDG22	PDG32
Samba-N	PDG03	PDG13	PDG23	PDG33
Jazz-Plus	PDG04	PDG14	PDG04	PDG34
Fox-Plus	PDG05	PDG15	PDG25	PDG35
Swing-Plus	PDG06	PDG16	PDG26	PDG36
Alupol-Plus	PDG07	PDG17	PDG27	PDG37
Mambo	PDG08	PDG18	PDG28	PDG38



POLISHING CLOTH

Portable Polishing cloths

The portable polishing cloths find great application in portable polishing devices.

Applications that involve on-site inspection of metals require these portable cloths to polish the surface of interest.

Polishing Cloth	Product Name	Size (mm)	Code No
With PSA	Velvet Polishing Cloth-Grey	30	PCS002
	Velvet Polishing Cloth- Black (Premium Quality)		LP30PS
	Velvet Polishing Cloth Brown (Premium Quality)		LP30BRPS
With PSA (German Grade)	Technotron MM 420	75	TECH029



DIAMOND SLURRIES & LUBRICANTS

Type 1: Diamond Slurries to be used
with Lubricants

Type 2: Lubricant integrated
Diamond slurries

Type 1	Type 2
<p>Diamond Slurry</p> <p>+</p> <p>Lubricant</p> <p>↓</p> <p>Quick Result with just few drops of slurry and lubricant</p>	<p>Lubricant Integrated</p> <p>↓</p> <p>Results achieved at a moderate rate, Cost - effective.</p>



DIAMOND SLURRIES

Polycrystalline

Water based Diamond Slurries

Should be used with lubricants (Type 1)

USA Grade

μm	Bottle only 8 oz (240 ml)	Air Spray 8 oz (240 ml)	Trigger Spray 16 oz (475 ml)	Refill bottle 32 oz (950 ml)	Refill bottle 128 oz (3.2 L)
0.25	M270	M280	M280-16	M280-32	M280-128
1	M271	M281	M281-16	M281-32	M281-128
3	M272	M282	M282-16	M282-32	M282-128
6	M273	M283	M283-16	M283-32	M283-128
9	M274	M284	M284-16	M284-32	M284-128
15	M275	M285	M285-16	M285-32	M285-128
30	M276	M286	M286-16	M286-32	M286-128
45	M277	M287	M287-16	M287-32	M287-128

Monocrystalline

Water based Diamond Slurries

Should be used with lubricants (Type 1)

USA Grade

μm	Bottle only 8 oz (240 ml)	Finger Pump 8 oz (240 ml)	Trigger Spray 16 oz (475 ml)	Refill bottle 32 oz (950 ml)	Refill bottle 128 oz (3.2 L)
0.10	M250	M240	M260	M260-32	M260-128
0.25	M251	M241	M261	M261-32	M261-128
0.5	M252	M242	M262	M262-32	M262-128
1	M253	M243	M263	M263-32	M263-128
3	M254	M244	M264	M264-32	M264-128
6	M255	M245	M265	M265-32	M265-128
9	M256	M246	M266	M266-32	M266-128
15	M257	M247	M267	M267-32	M267-128
30	M258	M248	M268	M268-32	M268-128
45	M259	M249	M269	M269-32	M269-128



DIAMOND SLURRIES

Polycrystalline **USA Grade**

Oil based Diamond Slurries

Should be used with lubricants (Type 1)

Suited to water sensitive materials



Micron	Bottle only 8 oz (240 ml)	Trigger Spray 16 oz (475 ml)
0.25	M260-P25	M260-16
1	M261-P1	M261-16
3	M262-P3	M262-16
6	M260-P6	M260-P-16
9	M261-P9	M261-P-16
15	M262-P15	M262-P-16

Lubricants to be used with diamond slurries **USA Grade**

Type	Quart (950 ml)	Gallon (3.8L)	5 Gallon (19L)
Purple (Alcohol based)	M225-32	M225-128	M225-640
Green (Water based)	M226-32	M226-128	M226-640
Red (Water/Oil based)	M227-32	M227-128	M227-640
Brown (Alcohol based)	M220-32	—	—
Blue Lube(Ethanol based)	M222	M223	M224





DIAMOND SLURRIES

Lubricants Integrated **diamond slurries**
Type - 2

USA Grade

Description	Compatible Cloth	16 oz (475 ml)	128 oz (3.8L)
DiaLube Plan	Dia Plan	M281-16DL	M281-128DL
DiaLube Mol	Dia Mol	M282-16DL	M282-128DL
DiaLube Dac	Dia Dac	M283-16DL	M283-128DL
DiaLube Plus	Dia Plus	M284-16DL	M284-128DL
DiaLube Nap	Dia Nap	M285-16DL	M285-128DL

A unique blend of quality high performance diamonds accompanied with cooling lubricants specially formulated to suit the respective polishing cloths. Can be used without lubricants

Diamond slurries

German Grade

MAGNUM-Top Monocrystalline
Water based diamond slurries

Should be used with Lubricants (Type 1)



µm	250 ml	500 ml	1L	2.5 L	10 L
0.1	DS100W	DS200W	DS300W	DS400W	DS500W
0.25	DS101W	DS201W	DS301W	DS401W	DS501W
1	DS102W	DS202W	DS302W	DS402W	DS502W
3	DS103W	DS203W	DS303W	DS403W	DS503W
6	DS104W	DS204W	DS304W	DS404W	DS504W
9	DS105W	DS205W	DS305W	DS405W	DS505W
15	DS106W	DS206W	DS306W	DS406W	DS506W
30	DS107W	DS207W	DS307W	DS407W	DS507W
45	DS108W	DS208W	DS308W	DS408W	DS508W

Oil Based suspensions for water sensitive materials available



DIAMOND SLURRIES

Diamond slurries

German Grade

Poly-Top Polycrystalline

Water based diamond slurries

Should be used with Lubricants (Type 1)



µm	250 ml	500 ml	1L	2.5 L	10 L
0.1	DS150W	DS250W	DS350W	DS450W	DS550W
0.25	DS151W	DS251W	DS351W	DS451W	DS551W
1	DS152W	DS252W	DS352W	DS452W	DS552W
3	DS153W	DS253W	DS353W	DS453W	DS553W
6	DS154W	DS254W	DS354W	DS454W	DS554W
9	DS155W	DS255W	DS355W	DS455W	DS555W
15	DS156W	DS256W	DS356W	DS456W	DS556W

Oil Based suspensions for water sensitive materials available

Lubricants to be used with
diamond slurries

German Grade

Type	1L	5L	10L	200L
Lubricant Yellow (Water base)	LY1	LY2	LY3	
Lubricant Yellow concentrate	—	—	LYC3	
Lubricant Blue (Alcohol base)	LB1	LB2	LB3	LB4
Lubricant Blue concentrate	LBC1	—	—	
Lubricant Orange (Oil base)	LO1	—	LO3	LO4
Lubricant Red (Water / oil base)	LR1	—	LR3	
Lubricant White (Alcohol base)	LW1	—	LW3	
Lubricant white concentrate	LWC1	—	—	



DIAMOND SLURRIES

Magnum-Top Duo **Monocrystalline** Lubricant Integrated diamond slurries

German Grade

Can be used without lubricants (Type - 2)

µm	250 ml	500 ml	1L	2.5 L	10 L
0.1	DS100L	DS200L	DS300L	DS400L	DS500L
0.25	DS101L	DS201L	DS301L	DS401L	DS501L
1	DS102L	DS202L	DS302L	DS402L	DS502L
3	DS103L	DS203L	DS303L	DS403L	DS503L
6	DS104L	DS204L	DS304L	DS404L	DS504L
9	DS105L	DS205L	DS305L	DS405L	DS505L
15	DS106L	DS206L	DS306L	DS406L	DS506L
20	DS107L	DS207L	DS307L	DS407L	DS507L
30	DS108L	DS208L	DS308L	DS408L	DS508L

Poly-Top Duo **Polycrystalline** Lubricant Integrated diamond slurries

German Grade

Can be used without lubricants (Type - 2)


µm	250 ml	500 ml	1L	2.5 L	10 L
0.1	DS150L	DS250L	DS350L	DS450L	DS550L
0.25	DS151L	DS251L	DS351L	DS451L	DS551L
1	DS152L	DS252L	DS352L	DS452L	DS552L
3	DS153L	DS253L	DS353L	DS453L	DS553L
6	DS154L	DS254L	DS354L	DS454L	DS554L
9	DS155L	DS255L	DS355L	DS455L	DS555L
15	DS156L	DS256L	DS356L	DS456L	DS556L



DIAMOND PASTE AND LUBRICANTS

Diamond Paste

Diamond Past	Particle Size	Weight	Code No
	0.5-1 Miron	0.005kg / 5cc	DP001
	3-4 Micron	0.005kg / 5cc	DP002
	6-12 Micron	0.005kg / 5cc	DP003

Lubricant Aerosol Spray	QTY	Code No
	0.005kg / 5cc	DL001



DIAMOND PASTE AND LUBRICANTS

Diamond Paste


USA Grade

Product	μm	Code No 5g	Code No 10g	Code No 20g
Monocrystalline Water and Oil Soluble	0.25	M200	—	M201
	1	M202	—	M203
	3	M204	—	M205
	6	M206	—	M207
	9	M208	—	M209
	15	M210	—	M211
	30	M212	—	M213
	45	M214	—	M215
Polycrystalline Oil Soluble	0.25	—	M200P	—
	1	—	M202P	—
	3	—	M204P	—
	6	—	M206P	—
	9	—	M208P	—
	15	—	M210P	—



Diamond Aerosol Spray

USA Grade

Product	μm	QTY	Code No
Diamond Aerosol Spray 	0.25	150 ml	M288
	1	150 ml	M289
	3	150 ml	M290
	6	150 ml	M291
	9	150 ml	M292
	15	150 ml	M293
	30	150 ml	M294
	45	150 ml	M295



DIAMOND PASTE AND LUBRICANTS

Diamond Paste German Grade



Oil, Water and Alcohol soluble No Lubricant needed

Product	μm	Code No 5g	Code No 10g	Code No 20g
Sparkling U/M Monocrystalline	0.25	DP100U	DP200U	DP300U
	1	DP101U	DP201U	DP301U
	3	DP102U	DP202U	DP302U
	6	DP103U	DP203U	DP303U
	9	DP104U	DP204U	DP304U
	15	DP105U	DP205U	DP305U
	20	DP106U	DP206U	DP306U
	30	DP107U	DP207U	DP307U
	45	DP108U	DP208U	DP308U
	70	DP109U	DP209U	DP309U
90	DP110U	DP210U	DP310U	
Sparkling U / P Polycrystalline	0.25	DP150U	DP250U	DP350U
	1	DP151U	DP251U	DP351U
	3	DP152U	DP252U	DP352U
	6	DP153U	DP253U	DP353U
	9	DP154U	DP254U	DP354U
	15	DP155U	DP255U	DP355U
	20	DP156U	DP256U	DP356U
	30	DP157U	DP257U	DP357U



DIAMOND PASTE AND LUBRICANTS

Diamond Paste - Oil Soluble

- ★ Corrosion-Free Polishing
- ★ No Lubricant needed
- ★ Both automatic and Manual Polishing



Product	µm	Code No 5g	Code No 10g	Code No 20g
Sparkling O/M Monocrystalline	0.25	DP1000	DP2000	DP3000
	1	DP1010	DP2010	DP3010
	3	DP1020	DP2020	DP3020
	6	DP1030	DP2030	DP3030
	9	DP1040	DP2040	DP3040
	15	DP1050	DP2050	DP3050
	20	DP1060	DP2060	DP3060
	30	DP1070	DP2070	DP3070
	45	DP1080	DP2080	DP3080
	70	DP1090	DP2090	DP3090
	90	DP1100	DP2100	DP3100
Sparkling O / P Polycrystalline	0.25	DP1500	DP2500	DP3500
	1	DP1510	DP2510	DP3510
	3	DP1520	DP2520	DP3520
	6	DP1530	DP2530	DP3530
	9	DP1540	DP2540	DP3540
	15	DP1550	DP2550	DP3550
	20	DP1560	DP2560	DP3560
	30	DP1570	DP2570	DP3570



DIAMOND PASTE AND LUBRICANTS

Diamond Paste - Oil and Alcohol Soluble

- ★ Preferred for steels
- ★ No Lubricant needed
- ★ Both automatic and Manual Polishing



Product	µm	Code No 5g	Code No 10g	Code No 20g
Sparkling FAS/M Monocrystalline	0.25	DP100OA	DP200OA	DP300OA
	1	DP101OA	DP201OA	DP301OA
	3	DP102OA	DP202OA	DP302OA
	6	DP103OA	DP203OA	DP303OA
	9	DP104OA	DP204OA	DP304OA
	15	DP105OA	DP205OA	DP305OA
	20	DP106OA	DP206OA	DP306OA
	30	DP107OA	DP207OA	DP307OA
	45	DP108OA	DP208OA	DP308OA
	70	DP109OA	DP209OA	DP309OA
	90	DP110OA	DP210OA	DP310OA
Sparkling FAS / P Polycrystalline	0.25	DP150OA	DP250OA	DP350OA
	1	DP151OA	DP251OA	DP351OA
	3	DP152OA	DP252OA	DP352OA
	6	DP153OA	DP253OA	DP353OA
	9	DP154OA	DP254OA	DP354OA
	15	DP155OA	DP255OA	DP355OA
	20	DP156OA	DP256OA	DP356OA
	30	DP157OA	DP257OA	DP357OA



DIAMOND PASTE AND LUBRICANTS

Diamond Paste - Water Soluble

- ★ Easy Cleaning
- ★ Used with Lubricant Yellow
- ★ Both Automatic and Manual polishing



Product	µm	Code No 5g	Code No 10g	Code No 20g
Sparkling W/M Monocrystalline	0.25	DP100W	DP200W	DP300W
	1	DP101W	DP201W	DP301W
	3	DP102W	DP202W	DP302W
	6	DP103W	DP203W	DP303W
	9	DP104W	DP204W	DP304W
	15	DP105W	DP205W	DP305W
	20	DP106W	DP206W	DP306W
	30	DP107W	DP207W	DP307W
	45	DP108W	DP208W	DP308W
	70	DP109W	DP209W	DP309W
	90	DP110W	DP210W	DP310W
Sparkling W/ P Polycrystalline	0.25	DP150W	DP250W	DP350W
	1	DP151W	DP251W	DP351W
	3	DP152W	DP252W	DP352W
	6	DP153W	DP253W	DP353W
	9	DP154W	DP254W	DP354W
	15	DP155W	DP255W	DP355W
	20	DP156W	DP256W	DP356W
	30	DP157W	DP257W	DP357W

Note:

Diamond Past in Stick form available Bulk quantity (400g and 1000g) available in jar form



DIAMOND PASTE AND LUBRICANTS

Diamond Aerosol Spray

German Grade

Product	Micron	200ml
Poly Diamond Spray Polycrystalline	0.25	DA150A
	1	DA151A
	3	DA152A
	6	DA153A
	9	DA154A
	15	DA155A





Oxide Polishing

ALUMINA COMPOUNDS

For Ultra-Fine polishing

Product	μm	QTY	Code No
Alumina Powder	1	1 Kg	AP001
Alumina Fast Pol (Alumina Suspension)	1	200 ml	IFP00001





OXIDE Polishing

Premium quality

Alumina and colloidal silica compounds








For Ultra-Fine polishing - De-agglomerated alumina



For Ultra-Fine polishing

Product	μm	QTY	Code No
Alumina Powder	0.05	455g	M300
	0.3	455g	M301
	1	455g	M302
Alumina Suspensions	0.05	200 ml	IFP00004
	0.1	1000 ml	M310-32
	0.3	200 ml	IFP00003
	1	200 ml	IFP00001
Collodial Silica pH 10.5	0.04	1000 ml	M511-OPSQ
	0.05	1 L	OPS00001
	0.06	1000 ml	M306-32

Accessories

	Product	QTY	Code No
	Hot Air Dryer	1	HTP001
	Specimen Leveler	1	SPL001
	Portable engraving Machine	1	EG001
	Vacuum Impregnation System	1	VM2000
	Specimen Leveling Clay (Never Dry) For leveling irregular samples for analysis	200 gm	SLC001
	Sample Protective Liquid (dissolves in acetone)	50 ml	LA001
	Specimen Set 12 different mounted and etched specimens for edu purpose	1 Set	SPS001

Metallography
Consumables



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