



# Gem Diamond Products



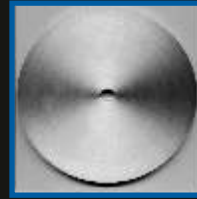
Core Drills



Interrupted Deposit Laps



Cup Wheels



Master Laps



Profiled Routers



Blades with Pads



Burs



Grooved Laps



Lapping Discs



Mounted Points



Files



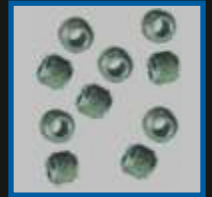
Cup Wheels



Grinding Wheels



Diamond Powders



Wire Beads



Face Plates



Grinding Rollers



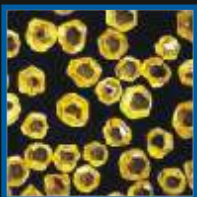
Lapping Pastes



Grinding Pins



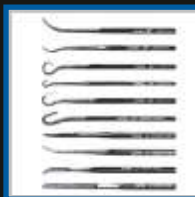
Interrupted Blades



Mesh Powders



Grinding Wheels



Riffler Files



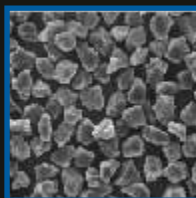
Profiled Wheels



Lapping Compounds



Twist Drills



Micron Powders



Continuous Blades



Core Drills



Specialized Tools



Plane Lapping Discs in Various Sizes



Interrupted Deposit Disc



Grooved Lapping Disc

## Diamond Lapping Discs

Stock No:

GRIT	6" Dia.	8" Dia.	12" Dia.	18" Dia.
40	6040	8040	12040	18040
60	6060	8060	12060	18060
70	6070	8070	12070	18070
80	6080	8080	12080	18080
100	6100	8100	12100	18100
180	6180	8180	12180	18180
220	6220	8220	12220	18220
360	6360	8360	12360	18360
600	6600	8600	12600	18600
1200	61200	81200	121200	181200
1500	61500	81500	121500	181500
3000	63000	83000	123000	183000

Available in all Grit Sizes

Available in Diameters from 1" to 36"

Available in Plane, Grooved, Textured & Interrupted Type

Available with Plain, Adhesive & Magnetic Backing

Non-Standard Requirements Custom Made as per Request

Master Laps also available

## Diamond Compounds and Slurries

Size	Nominal Size	Color
0 - 1/4 $\mu$	0.125 $\mu$	Grey
0-1/2 $\mu$	0.25 $\mu$	Pink
0-1 $\mu$	0.5 $\mu$	White
0-2 $\mu$	1 $\mu$	Yellow
1-3 $\mu$	2 $\mu$	Light Green
2-4 $\mu$	3 $\mu$	Yellow
4-8 $\mu$	6 $\mu$	Orange
8-12 $\mu$	10 $\mu$	Red
10-20 $\mu$	15 $\mu$	Blue
15-25 $\mu$	20 $\mu$	Brown
30-40 $\mu$	35 $\mu$	Purple
40-60 $\mu$	50 $\mu$	Dark Green
60-80 $\mu$	70 $\mu$	Red

Available in entire range of graded micron sizes

Available in Oil, Water and Universally Soluble Media

Available in 5 g. Syringes & 10, 50, 100, 500, 1000 g jars

Slurries available in Bottles, Pump Jars and Sprays



Diamond Lapping Paste



Diamond Slurries

## Diamond Grinding Wheels

Stock No:

GRIT	6" Dia. x 1.5"	8" Dia. x 1.5"
40	615-040	815-040
60	615-060	815-060
80	615-080	815-080
100	615-100	815-100
180	615-180	815-180
220	615-220	815-220
360	615-360	815-360
600	615-600	815-600

Available in Plane, Textured and all Profiled Surfaces

Available in all Standard Bore Diameters

Available in all Grit Sizes

Individual Requirements Custom-made as per request

## Diamond Burrs

Cylindrical

Spherical

Conical

Reverse Conical

Elliptical

Available in all Standard and Non-Standard Shapes

Available in All Grit Sizes

Available in sizes from 3/32", 1/8", 1/4", 3/8", 1/2", and onwards.

Non-Standard Sizes available upon Request

## Diamond Core & Twist Drills

Stock No:

Diameter	Continuous Rim	Interrupted Rim
1/8"	1/8DCD	1/8DCD-I
1/4"	1/4DCD	1/4DCD-I
3/8"	3/8DCD	3/8DCD-I
1/2"	1/2DCD	1/2DCD-I
5/8"	5/8DCD	5/8DCD-I
3/4"	3/4DCD	3/4DCD-I
1"	1DCD	1DCD-I
2"	2DCD	2DCD-I
3"	3DCD	3DCD-I
4"	4DCD	4DCD-I
5"	5DCD	5DCD-I
6"	6DCD	6DCD-I
7"	7DCD	7DCD-I
8"	8DCD	8DCD-I

Non-Standard, Metric and Custom Sizes available upon Request

Twist Drills available in all Available Standard Sizes.



Diamond Grinding Wheels



Diamond Burrs



Diamond Core Drills



Diamond Twist Drills

## Diamond Blades / Slitting Discs

Stock No:

Diameter	Continuous Rim	Interrupted Rim
4"	4DSD	4DSD-I
5"	5DSD	5DSD-I
6"	6DSD	6DSD-I
7"	7DSD	7DSD-I
8"	8DSD	8DSD-I
10"	10DSD	10DSD-I
12"	12DSD	12DSD-I
14"	14DSD	14DSD-I
16"	16DSD	16DSD-I
18"	18DSD	18DSD-I
20"	20DSD	20DSD-I
24"	24DSD	24DSD-I
30"	30DSD	30DSD-I
36"	36DSD	36DSD-I



Diamond Blades / Slitting Disc

Available in Continuous and Interrupted Rim (Narrow and Wide Slots)  
 Available in the entire range of Grit Sizes  
 Non-standard Requirements Custom-made as per request

## Diamond Hand Files and Rifflers

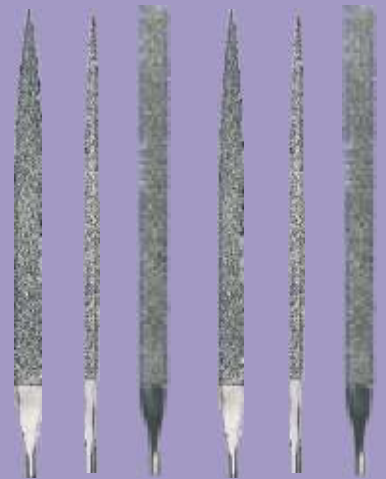
Standard Needle Files

Straight Large Files

Needle Curved Files

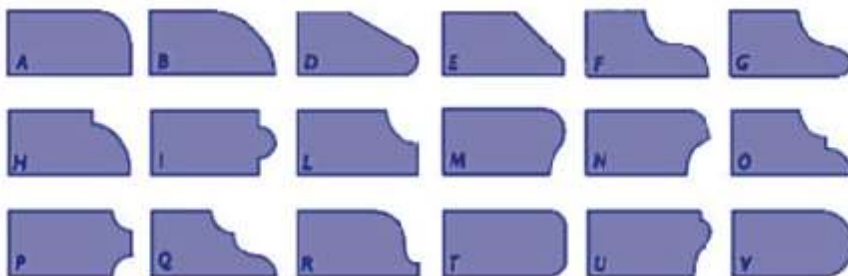
Large Curved Files

Rifflers



Diamond Hand Files / Rifflers

Standard & Non-Standard Shapes Available  
 Non-Standard Sizes and Profiles Available upon Request  
 Available in the entire range of Grit Sizes



Available in a Range of Profiles for Edge Finishing  
 Non-Standard, Metric and Custom Sizes available upon Request



Diamond Routers

## Synthetic Diamond Powder and Cubic Boron Nitride

Grit Size (Mesh)	FEPA Equivalent Mesh Size
24	D851
36	D601
46	D426
60	D301
80	D252
100	D181
120	D151
150	D107
180	D91
220	D76
240	D64
320	D54
400	D46
500	D40
600 (20-40 micron)	D30
800 (20-30 micron)	D25
1200 (10-20 micron)	D15
1800 (6-12 micron)	D9
3000 (4-8 micron)	D6
8000 (1-5 micron)	D3
14000 (0-2 micron)	D1
30000 (0-1 micron)	D0.5
60000 (0-0.5 micron)	D0.25

*Available in the entire range of Micron and Mesh Sizes  
Individual non-standard requirements can be accommodated  
Available in 10 crt, 25 crt, 100 crt, 500 crt, 1000 crt and 5000 crt bottles*

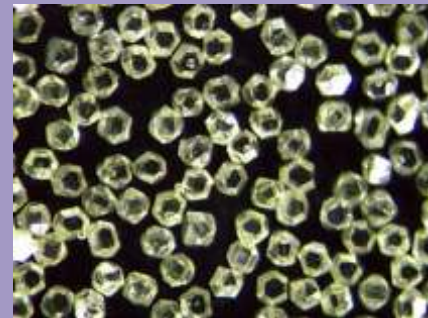
### Special Tools

*Apart from these, are a range of sophisticated diamond tools that are manufactured with individual requirements and processes in mind. Our exhaustive range of diamond plated tools include Dish Discs, Cup Wheels, Polishing Drums, Profiled Wheels, Face Plates, Dressers, Mandrels, Coated Wires and Specialized Tools developed for your unique requirements.*

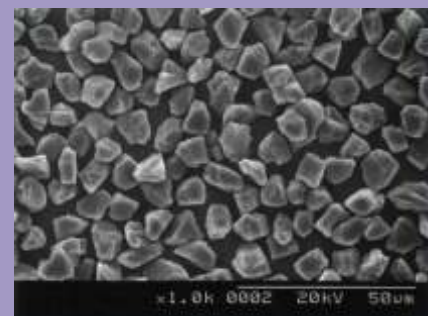
*Our team of dedicated and professional engineers are only a call / email away to answer your every question and provide you with a complete solution to all of your lapidary problems.*



Synthetic Diamond Powder



Mesh Size Diamond Powder



Graded Diamond Micron Powder



Special Tools



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