

ABOUT US

We, 'Jay Enterprises', instituted in the year 1998, at Surat (Gujarat, India), with our 4 decades of experience, are the reputed Traders and Suppliers of a premium quality range of Diamond Powder, Mono-crystalline Diamond Powder, Synthetic Micron Diamond Powder, MBD Synthetic Diamond Powder, Resin Bond Diamond Powder, Green RVD Diamond Powder, etc.

Highly acknowledged in the market for offering precise composition, safe usage, excellent quality and impurity free nature. This diamond powder range is widely used in grinding, cutting and polishing diamond, gemstones and metals. We understand industry challenges and offer customised solutions as per customer's requirements in order to help them achieve maximum output. Furthermore, We value relationship with our clients and aim to offer varied range of products at best prices.

Apart from this, we also Manufacture and Supply a wide range of CVD, HPHT Diamond to our clients.

Please feel free to connect with us.

CONTACT US



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 **JAY ENTERPRISES**
DEALERS OF SYNTHETIC INDUSTRIAL DIAMOND POWDER

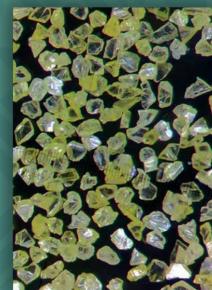
INDUSTRIAL SYNTHETIC DIAMOND POWDER

RVD GREEN

Raw material is adopted from high technology RVD series of high quality diamonds, processed by special crushing technology, irregular edge shape particles.

Usage: Used in metal bonded and ceramic bonded abrasive tools.

Sizes: 60/70 - 800/1000.



RVD YELLOW

Regular shape and comparatively complete crystal shape, normal impact strength and thermal stability, good sharpness of the diamonds.

Usage: Suitable for cutting, grinding tools, wheels, free cutting tools with medium and low loads.

Sizes: 30/35 - 600/700.
Grades: 10,20,40,60,80.



RESIN BOND

Poly-crystalline diamond grain, mainly used in resin bond diamond grinding wheels. Composed of sub-crystals with mosaic structure that provides irregular shape & rough surface to keep consistency of self-sharpening and cutting edges.

Usage: Tungsten carbide cutting and milling tools, dies, ceramic porcelain, silicon carbide, glass.



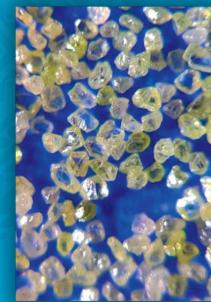
Sizes: 60/70 - 500/600
Grades: MS, PS & Micron.

RVD-C-S-SHAPED DIAMOND MESH/MICRON

The substrate contains round and blocky shaped crystals with narrow particle size distribution, has relatively low impurities.

Usage: Cutting, lapping, grinding and polishing on ceramics, silicon glass, optical glass.

Sizes: 80/100 - 600/700.

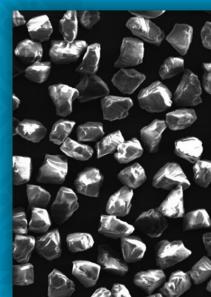


DIAMOND MICRON POWDER

Diamond micron powder is an economical polycrystal powder, a new type of super-hard and ultra-fine abrasive formed by artificial diamond single crystal through special processing.

Usage: Polishing stones, gems, non-metallic material, glass.

Sizes: 0-0.25 - 40-80.



USP

We are experts in bringing customised solutions related to client's particular needs. We provide consistent supply and stable quality of grades and sizes as per requirement. We also provide specialised products on demand.

SIZE CHART

Micron To Mesh Size Chart for Industrial Synthetic Diamond Powder

Size In Micron	Mean Normal	Equivalent Mesh Size
0.0-0.25	0.18	
0-0.5	0.25	60,000
0-1	0.5	28,000
0-1.5	0.75	
0-2	1	14,000
0.5-1	0.75	
0.5-1.5	1.0	
1-2	1.4	13,000
1-3	1.8	12,000
2-3	2.4	
2-4	2.9	8,000
3-6	4.2	5,000
4-6	4.8	
4-8	5.7	3,000
5-7	5.6	
5-10	7.2	2,200
6-10	7.5	
6-12	8.7	1,800
8-12	9.8	
8-16	11.5	
10-15	12.5	1,400
10-20	14.5	1,200
12-22	16.0	1,100
15-20	17.0	1,100
15-25	19.0	1,000
15-30	21.5	
20-25	22.0	
20-30	23.5	800
20-40	28.0	
22-36	27.5	700
25-35	29.0	
30-40	32.0	600
30-50	35.0	
30-60	40.0	
35-45	35-45	
36-54	43.0	500
40-50	44.0	500
40-60	48.0	400/500
40-80	55.0	