

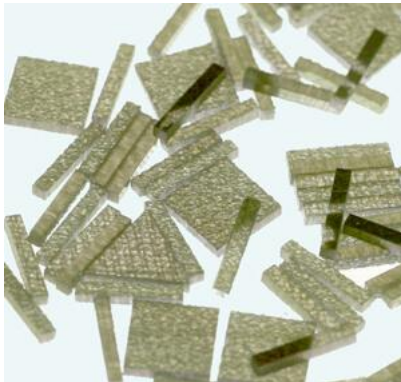
CVD Diamond Dresser



CVD Diamond Dresser has a high resistance to abrasive wear, high thermal stability, and is chemically inert.

Wholesale CVD Diamond Dresser from China Factory

CVD



CVD Diamond for Dresser Some Grinding wheels wear quite rapidly and should have their profiles and/or cutting edges renewed with diamond dressers. CVD Diamond dresser has a high resistance to abrasive wear, high thermal stability, and is chemically inert, These characters make it an ideal tool material for those applications where higher temperature operating conditions are seen, in particular, dry machining of metal matrix composites and high volume fraction glass fibre (or carbon) reinforced materials.

Applications

CVD diamond dresser produced by our Laboratory through DC Arc plasma Jet is suitable for all dresser types - single point, multipoint, blade, rotary, roller etc. The choice of the size of dresser is determined by the application and suitable dimensions can be recommended on request.

Tool fabrication

Our CVD diamond dresser has outstanding thermal properties and very high thermal oxidation resistance. It is ideal for secure mounting when using traditional non-ferrous metal sintering.

Alternatively, the CVD diamond dressers can be brazed onto a dresser body using an active braze alloy in a non-oxidizing environment.



Benefits

- High resistance to chipping and fracture
- Uniform wear over the entire length of the dresser
- Performance independent of dressing orientation
- Excellent thermal stability
- Diamond with no binder phase

Availability

Our CVD diamond dresser is supplied as rectangular logs in various lengths and square. CVD diamond dresser products with non-standard dimensions are available on request.

Product number	dimensions (mm)	
	x length	width x thickness
CVDD X0404	1.5 - 5.0	0.4 x 0.4
CVDD X0606	1.5 - 5.0	0.6 x 0.6
CVDD X0808	1.5 - 5.0	0.8 x 0.8
CVDD X1010	1.5 - 5.0	1.0 x 1.0
CVDD X1515	3.0 - 7.0	1.5 x 1.5
CVDD X2020	3.0 - 7.0	2.0 x 2.0

Parameters of properties

vickers hardness	10000kg / mm ²
density	3.51 g/cm ³
young modulus	1000GPa
thermal conductivity	8W/ cm.k
chemical stability	insoluble in alkali and acid



www.xhdiamond.com

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