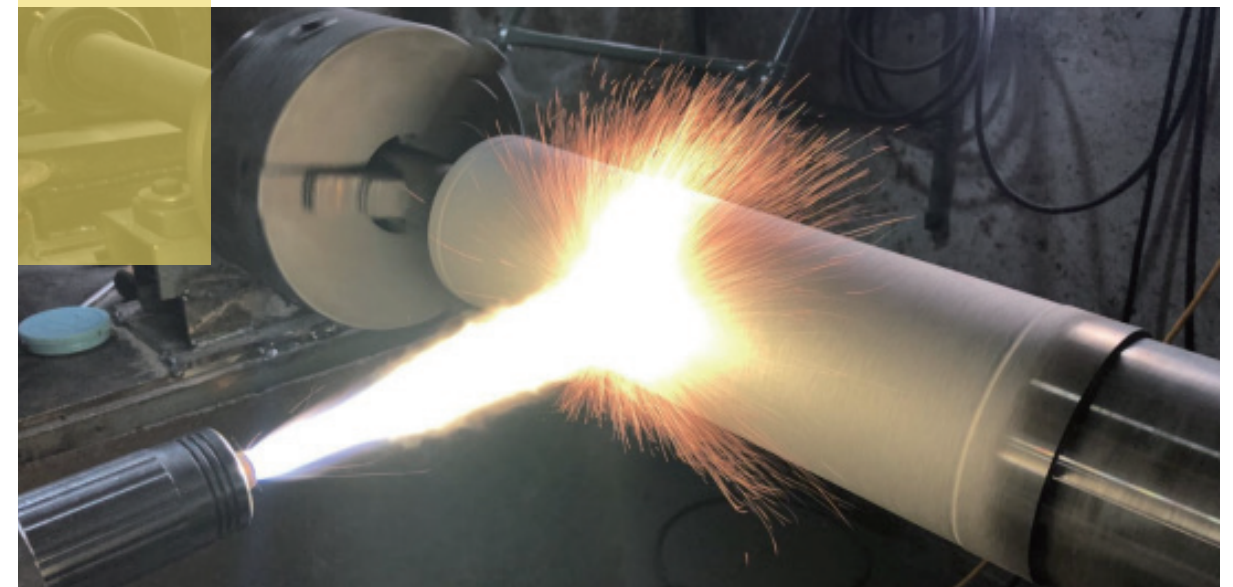


Thermal Spray Coating Industry Grinding & Polishing Solution



Thermal Spray Coating Industry Grinding & Polishing Solution



- | | |
|------------------|------------------|
| Flame wire spray | Arc spray |
| Plasma spray | HVOF |
| HVAF | Detonation Spray |
| Cold spray | Laser cladding |

 <https://www.moresuperhard.es>

 Zhengzhou • Henan • China
中国 • 河南 • 郑州

河南磨澳超硬材料有限公司
MORE SUPER HARD PRODUCTS CO., LTD.

MORESUPERHARD provides a full range of thermal spray coating solutions, include OD grinding, ID grinding, and polishing

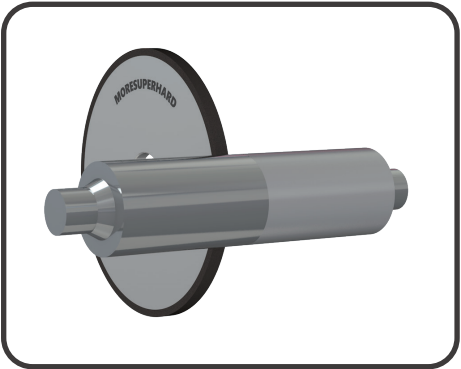
Diamond Cylindrical Grinding Wheel

Application:
grinding and finishing of thermal spray coatings ,such as
-tungsten carbide
- chrome carbide and chrome oxide
- ceramics
- carbides
- chilled iron composites

Type	Diameter(inches)	D(mm)	H(mm)	X(mm)	T(mm)	U(mm)
1A1	4"	100	20, 25.4	6, 10	12, 10, 20	
1A1	8"	200	76.2	10	25	
1A1	12"	300	76.2,127	10, 25	25,30,40,50	
14A1		300	127	6,10	40	10, 15
1A1	16"	400	127	10,25	25,30,40,50	
1A1	20"	500	203, 254	10,38	15,20,25,50	
1A1	24"	600	254, 304.8,203	25,5,10	25,40,50	
1A1	30"	750	304.8	10	40,50	
1A1	35.4"	900	304.8,305	10	50,75	
1A1	36"	914.4	304.8,305	10	50.8	
1A1	43"	1100	304.8	10	50	
diameter up to 1100mm We can also customized according to your requirements.						

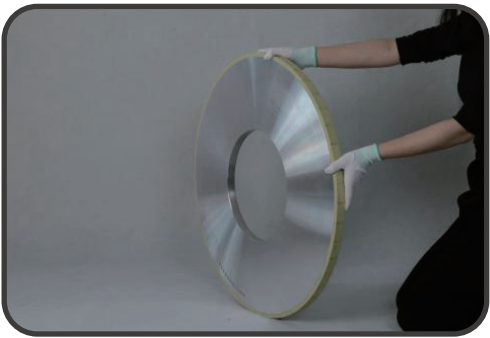


Application Case : Diamond grinding wheel for tungsten carbide coating Roller



Operation	External grinding
Workpiece	Roll Diameter 120—1000 mm, Length 1.5—10 mm
Material	HVOF spraying tungsten carbide or ceramic coating on a steel body
Dressing	white aluminum oxide 240#
Machine	External grinding machine
Coolant	Emulsion, Pressure: >= 3 Bar
Diamond wheel specification	1A1 D750*T50*H304.8*X10 mm D126 N100 Aluminum wheel body
Parameters	Wheel speed: 18—24 m/s, Depth of cut:0.01 -0.03 mm Feed: 300—800 mm/min Roll speed: 15—20 m/s

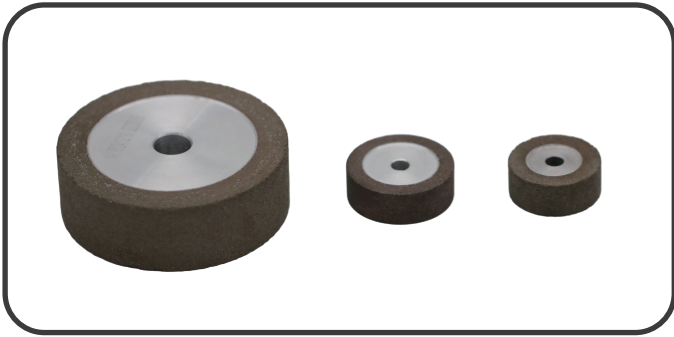
After constant adjustment of formula and technology
Moresuperhard finally successfully developed the first Vitrified
Diamond Grinding Wheel for thermal spraying coating industry
Vitrified bond has longer lifespan and higher efficiency than resin
bond



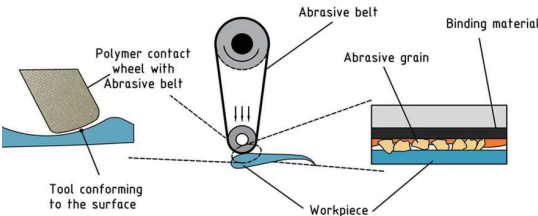
Internal Diamond Wheel -grinding Hard Alloy, ceramics and cermet.

The specification of diamond internal grinding wheel

D25*T12*H6*X6	D25*T12*H6*X6
D30*T12*H6*X6	D30*T24*H12*X6
D35*T24*H6*X6	D40**T12*H6*X6
D40*T24*H12*X6	D50*T24*H12*X5
D50*T24*H12*X10	D60*T6*H16*X10
D75*T24*H12*X10	D100*T12*H12*X10
D100*T24*H12*X10	D125*T25*H12*X10
D150*T25*H12*X10	
Special size can be design according to customers' requirement	

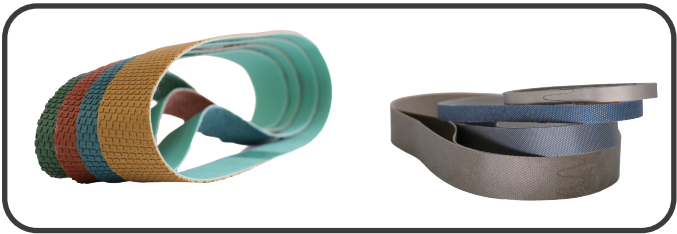


Diamond Sanding Abrasive Belts



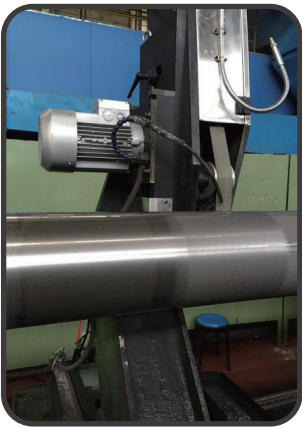
Application:Polishing, grinding steel, stone, glass, ceramics, mono crystalline silicon, polysilicon, zirconia, alumina, metal-nonmetallic synthetic materials, cemented carbide, aluminum magnesium alloy, aluminum beryllium alloy, titanium alloy and etc. hard brittle materials

Example Parameters of diamond sanding belts for HVOF WC coating



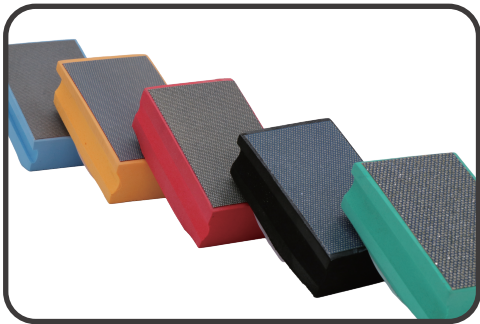
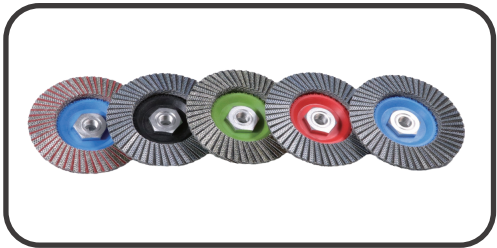
Length		Width		Girt
(mm)	(inch)	(mm)	(inch)	#60,#100,#120, #200, #400, #800, #1500, #2000, #3000, #5000
150 – 5000	6” – 200”	5 – 350	1/5 “ – 14”	

Workpiece diameter	400mm*12 HVOF spraying
Grinding machine model	65656
Belt speed	22 m/s (2800rpm)
Belt contact workpiece mode	soft contact or hard contact
Workpiece rotation speed	30 RPM
Coolant	water or others
Spray coating thickness	250µm
Original roughness of spray coating	Ra 0.4mm-0.6mm
Machining allowance of spray coating	100µm
Coating thickness after processing	150µm

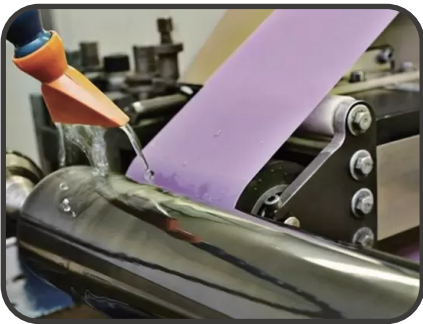


Diamond/CBN Flap disc, Hand Pads

Grit: 40#-600#
Size: 4 inches, 4.5 inches and 5 inches, other size available on request
*No need dressing



Diamond polishing film/lapping film



Moresuperhard offers coarse to fine grit Diamond Polishing Films for thermal spray coating polishing process and a high quality finish for optimised fibre optic network performance.

Rough grinding:125um, 74um
Fine grinding: 60um,45um, 30um, 15pm, 9um

Type	Grit	Specification	Base material
Diamond lapping film	80μm- 180#	101.6mm *15m 101.6mm*45m 203mm*15m 20 3mm*45m 101.6mm*15m	PET
	60μm – 240#		
	45μm- 360#		
	30μm- 600#		
	15μm- 1200#		
	9μm- 2000#		
	6μm- 2500#		
	3μm- 4000#		
Other Sizes Can Be Customize			