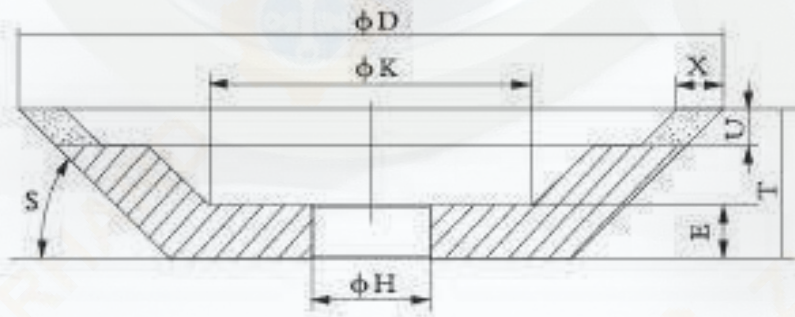


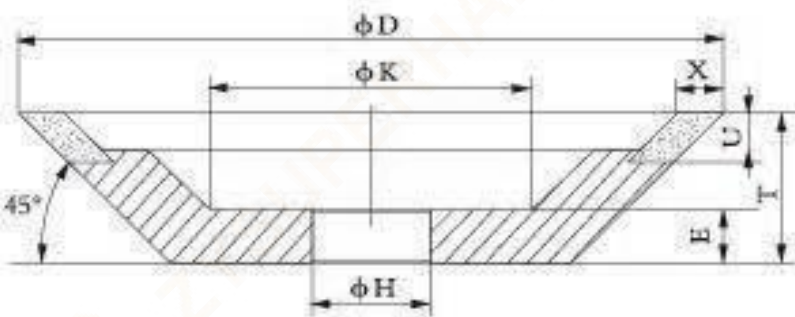


Processing PCD/PCBN/CVD natural diamond tool ceramic diamond grinding wheel

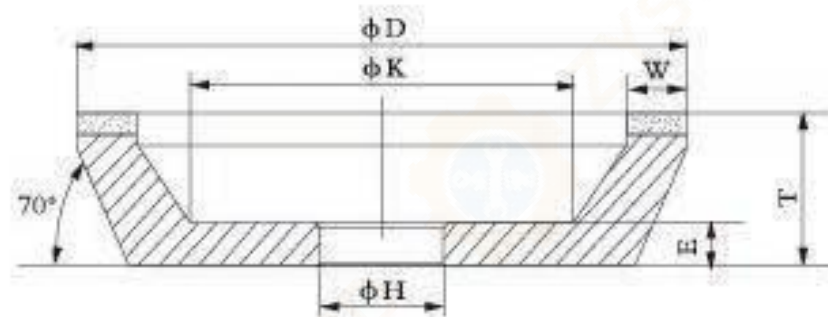
Machining PCD, PCBN, CVD, Natural Diamond tools-Ceramic Diamond Grinding Wheel



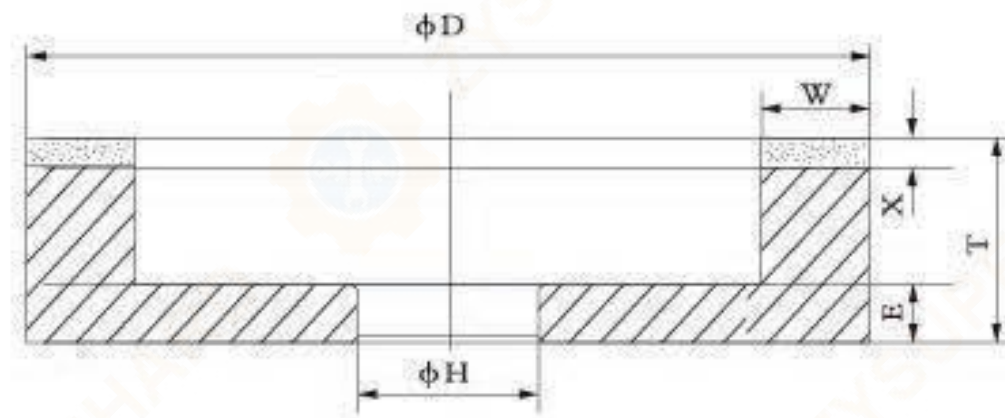
11V9



12V9



11A2



6A2

Machining high-end PCD, PCBN, CVD, Natural Diamond Cutting Tools and so on, the use of Ceramic Diamond Grinding Wheel, complete specifications, complete size.
The rough Grinding Wheel has good sharpness, high efficiency, small cutting tool and easy to finish machining,
Fine Grinding Wheel is the best in the country, can replace imported products, high quality, fast processing ,efficiency is very high.



D	T	H	E	W	X
75	25~40	19.05,20	10	2~10	5~10
100	25~40	19.05,20,31.75,32,40	10	2~20	5~10
125	25~40	19.05,20,31.75,32,40	10	2~20	5~10
150	25~40	31.75,32,40	10	1.5~20	5~10
200	30~50	31.75,32,40	12,15	5~25	5~10

Other specifications can be customized according to customer demand.

Peripheral Grinding Wheel

ceramic bond diamond and cbn peripheral grinding



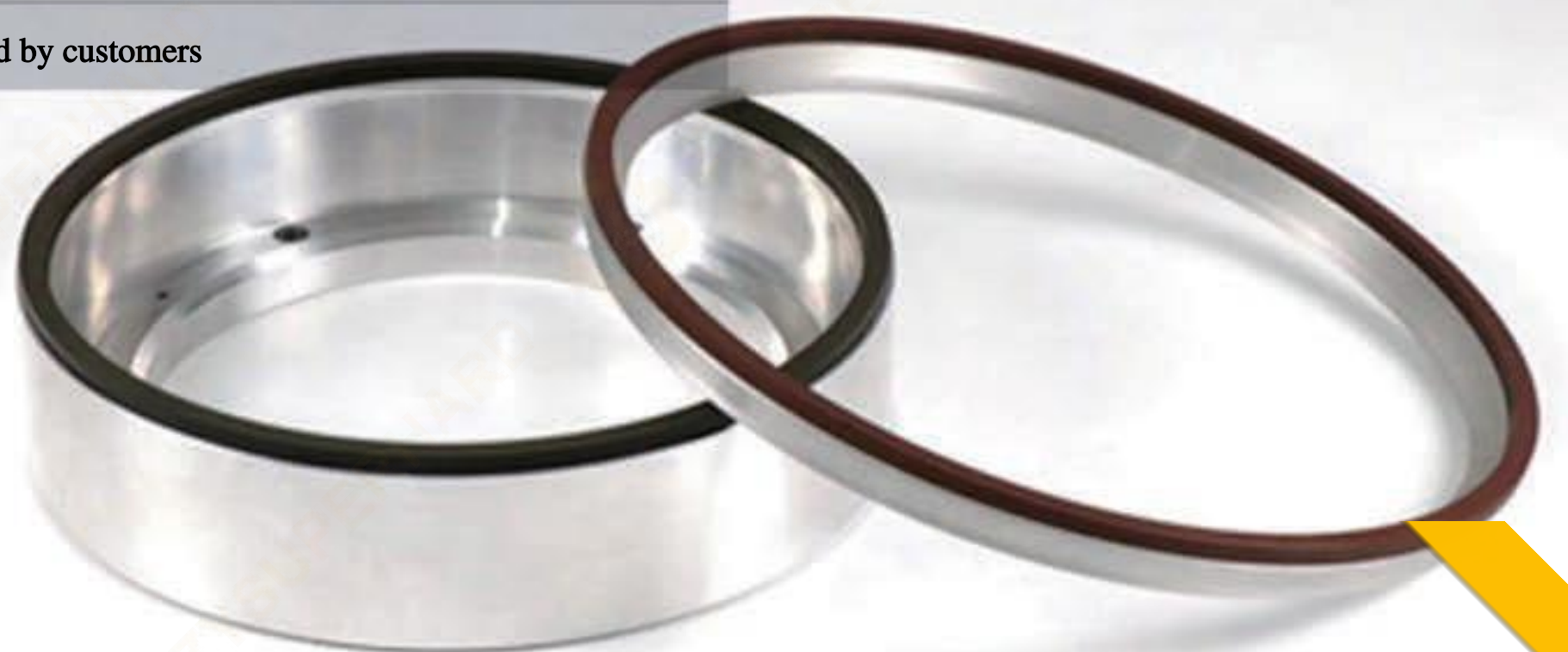
Object Processing: diamond, cubic boron nitride (CBN), cemented carbide, ceramic and cermet cutting tools and other peripheral size!

Peripheral grinding wheel can be equipped with: Germany WENDT, Japan WAIDA, and domestic manufacturers of Peripheral Grinding Machine.
Suitable for cemented carbide, cermet, PCD, CBN indexable peripheral plane, arc, angle after grinding.

D	H	T	W	X
250	215	45-55	4-20	5-10
350	240/260/300	26/28/75/90	4-20	5-10
400	190/340/353/336/355	26/28/30/32/40/80	4-25	5-10

Support customized as the drawing offered by customers

Other specifications can be customized according to customer demand.



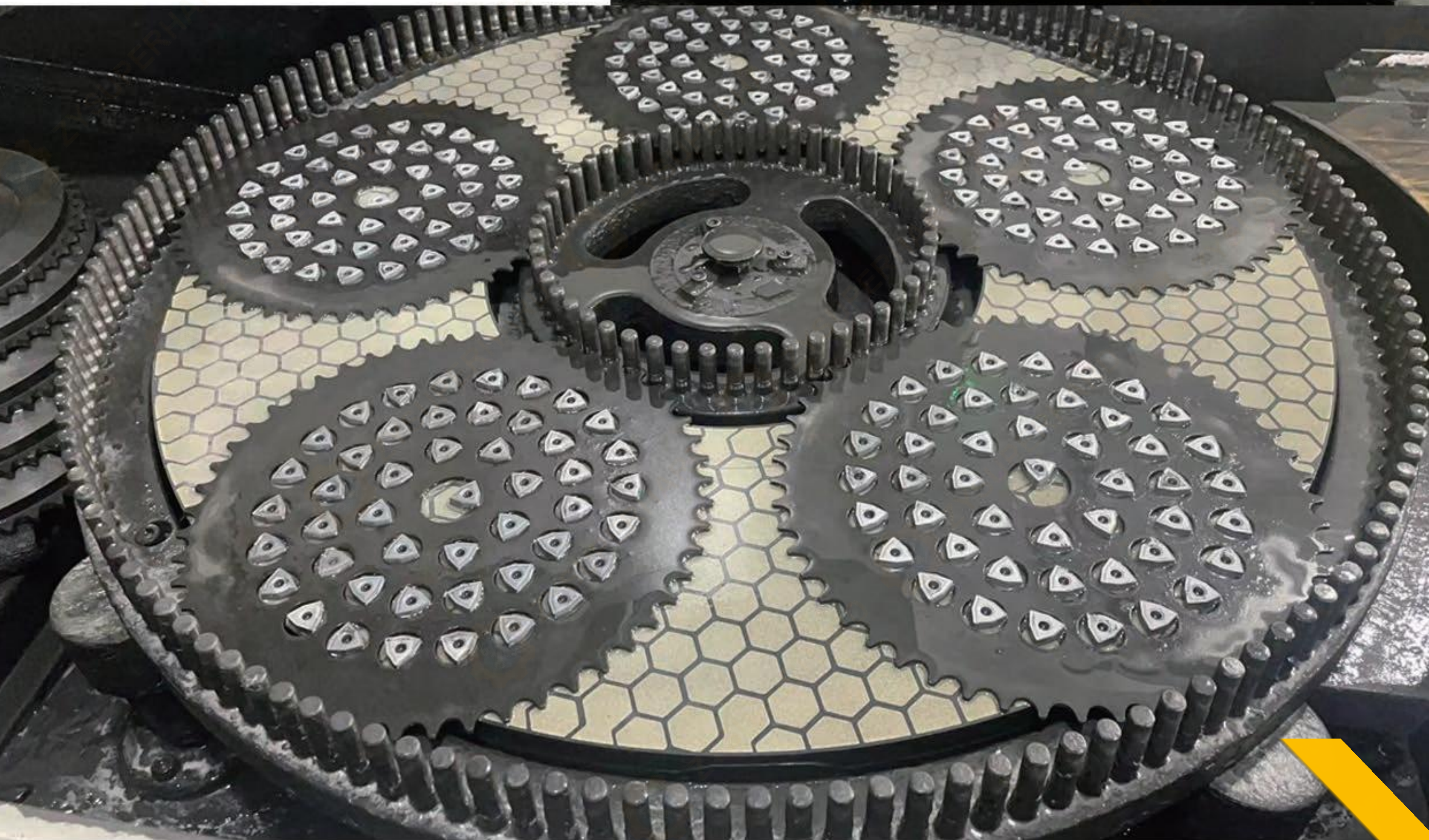
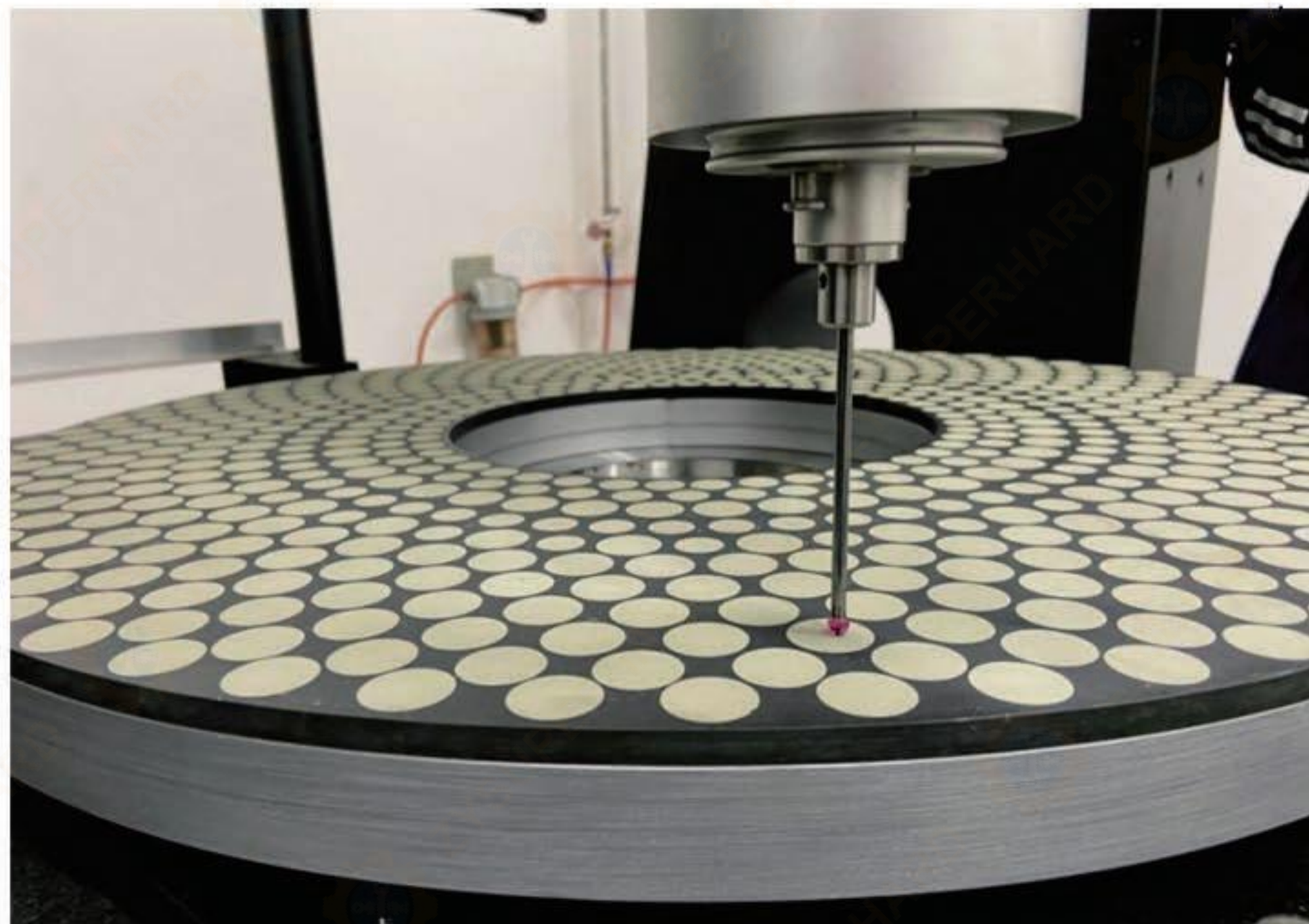
Double Face Super Hard Grinding Wheel

Abrasive type: Diamond cubic boron nitride

Bond type: Ceramic bond

Grinding block shape: hexagon, cylinder, fan and other shapes

Outer diameter size: D475,D630,D700,D1000 and other customized



Parallet Grinding Wheel (1A1 / 3A1 / 14A1 etc.)

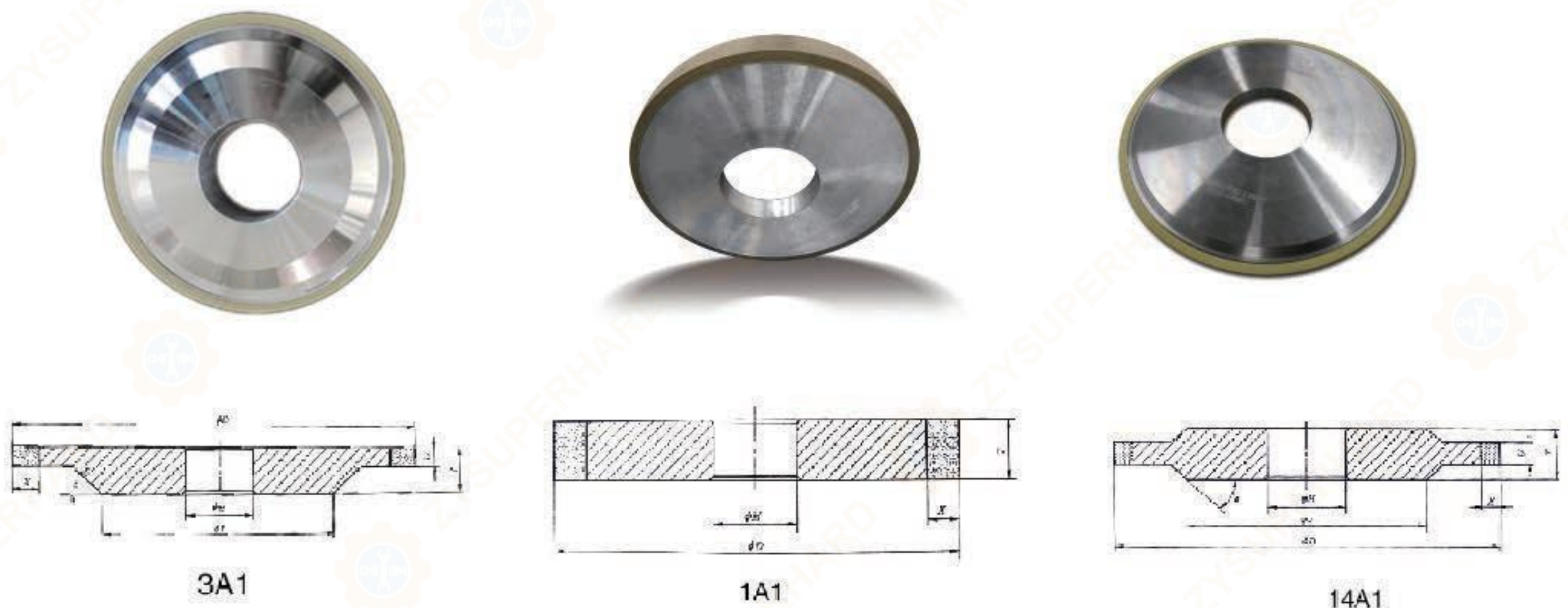
Mainly used for cylindrical grinding machine, universal tool grinding machine and so on.

Used for various types of cylindrical, planar and partial section grinding.

It has the advantages of strong grinding force, long life and good surface quality of the workpiece.

In the cemented carbide, pcd, pcbn composite sheet, milling cutter, drill, tool processing, automotive, refrigeration, hydraulic, ceramics, photovoltaic, gems and other industries to get the original more applications.

Complete specifications and models (Dia 10-500mm), complete granularity, support drawing customization



D	T	H	J	U	X	S
75	5~10	19.05,20	40~50	0.8~5	2,3,4,5	30°, 45°
100	5~15	19.05,20,31.75,32	50~80	1~8	3,4,5,6	30°, 45°
125	5~15	19.05,20,31.75,32	90~110	1~8	3,4,5,6	30°, 45°
150	10~15	31.75,32	100~130	1~10	3,4,5,6	30°, 45°
175	12~20	31.75,32	120~140	1~10	3,4,5,6	30°, 45°
200	12~30	31.75,32,75	130~160	2~10	4,6,8,10	30°, 45°
250	12~30	31.75,32,75	150~200	5~10	4,6,8,10	30°, 45°
300	15~40	127,203	200~250	6~15	4,6,8,10	30°, 45°
350	15~40	127,203	250~300	6~15	4,6,8,10	30°, 45°
400	20~50	127,203	300~350	6~20	5,6,8,10,12,15	30°, 45°
500	20~50	203,305	350~400	10~30	5,6,8,10,12,15	30°, 45°
600	20~60	305	400~500	10~30	5,6,8,10,12,15	30°, 45°

Other specifications can be customized according to customer demand.

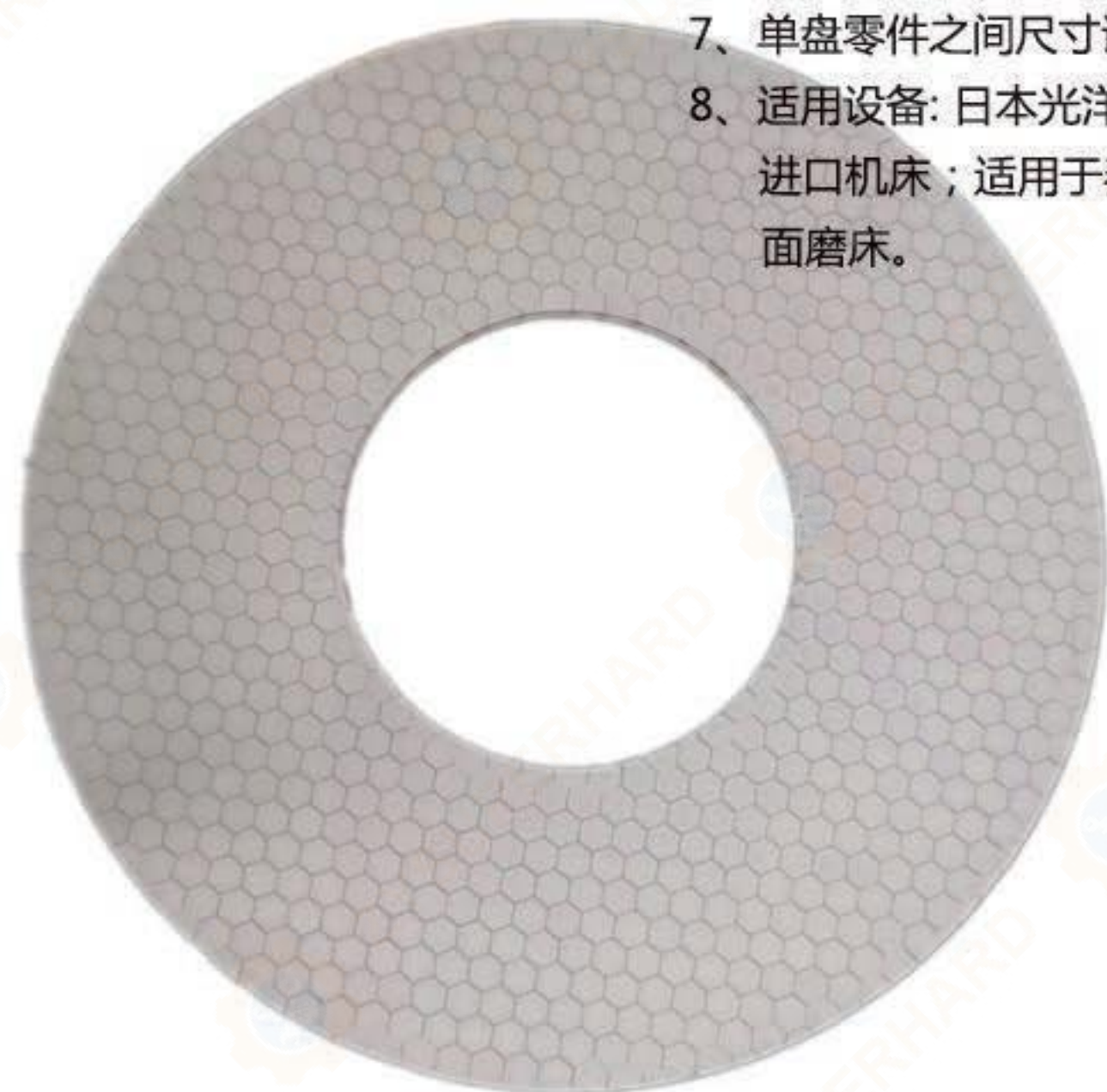
Ceramic Diamond Centerless Grinding Wheel / Grinding Disk / Millstone

磨硬质合金、陶瓷、磁性材料、玻璃等管材、棒材的外圆加工用的无心磨砂轮

- 1、主要特点：粗磨切削锋利生产效率高、粗磨后工件表面粗糙度好，圆柱度，圆度精度高，工件尺寸一致性好。
- 2、结合剂类型：陶瓷、树脂结合剂
- 3、规格型号 1A1 9A1 支持非标定制

磨蓝宝石等非金属氧化物磁性材料用陶瓷/树脂金刚石磨盘

- 1、结合剂类型：陶瓷、树脂结合剂
- 2、规格型号 1A2T 6A2T D400 D420及以上
- 3、磨盘规格 $\Phi 100 \sim \Phi 1200\text{mm}$ 。
- 4、每组磨盘加工零件数量500000 ~ 1500000件，
- 5、粗糙度：Ra0.05 μm 到Ra0.2 μm 均可，
- 6、平面度 $\leq 2\mu\text{m}$ ，平行度 $\leq 2\mu\text{m}$ 。
- 7、单盘零件之间尺寸误差为1 ~ 2 μm 。
- 8、适用设备: 日本光洋，日本富士，德国皮特沃尔特，意大利，英国莱玛特等进口机床；适用于秦川发展，上海索图，杭州机床，新乡机床厂等国内双端面磨床。



Centerless grinding wheel grinding carbide, ceramics, magnetic materials, glass pipe etc. the processing of cylindrical
 1, main features: high efficiency roughing cutting sharp, coarse grinding surface roughness good, cylindrical, high precision roundness, workpiece size consistency.
 2, binding agent type: ceramics, resin bond
 3, specifications 1A1 9A1 support non-standard custom

Grinding sapphire and other non-magnetic oxide ceramic / resin diamond disc

- 1, binding agent type: ceramics, resin bond
- 2, specifications 1A2T 6A2T D400 D420 and above
- 3, diamond disc specifications $\Phi 100 \sim \Phi 1200\text{mm}$.
- 4, each diamond disc machined part number from 500,000 to 1.5 million,
- 5, roughness: Ra0.05 μm to Ra0.2 μm can,
- 6, flatness $\leq 2\mu\text{m}$, Parallelism $\leq 2\mu\text{m}$.
- 7, the size of a single diamond disc error between the parts of 1 ~ 2 μm .
- 8.For: Koyo Japan, Fujitsu, Germany Peter Walter, Italy, UK Lai Mate and other imported machine tools; for Qinchuan development, trihexyphenidyl map, Hangzhou Machine Tool, Xinxiang Machine Tool Factory and other domestic double face grinder.



Camshafts / Crankshafts Ceramic CBN Grinding Wheel



Shape Code	Profile Sketch	Common Specification
1A1		Specification : 1A1 D×T×H×X
		D 100 ~ 750
		X 3 ~ 10
14A1		Specification : 14A1 D×T×H×X×U
		D 100 ~ 750
		X 3 ~ 10
3A1		Specification : 3A1 D×T×H×X×U
		D 100 ~ 750
		X 3 ~ 10
9A1		Specification : 9A1 D×T×H×X×U
		D 350 ~ 750
		X 3 ~ 10
		T 20 ~ 70

Shape Code	Profile Sketch	Common Specification
1A1		Specification 1A1 D×T×H×X
		D 400 ~ 650
		X 5 ~ 10
3F1		Specification 3F1 D×T×H×X×U
		D 400 ~ 650
		X 5 ~ 10
14LL1		Specification 14LL1 D×T×H×X×U
		D 400 ~ 650
		X 5 ~ 10
3A1		Specification 3A1 D×T×H×X×U
		D 400 ~ 650
		X 5 ~ 10
		T 10 ~ 500



Camshafts, Crankshafts Ceramic CBN Grinding Wheel

Advantages: sharpness, high efficiency, easy to heat and blocking, a small amount of thermal expansion, easy to control precision, easy fixes.

Applications: cylindrical grinding CBN grinding wheel for air-conditioning compressor crankshaft pump, engine crankshafts, camshafts, transmission gear shaft.

Supporting: Junker, Naxas, Landis, Schandt, Toyota Machine, Japan Toyama NTG grinder, etc.

Ceramic CBN Inner Circle Grinding Wheel



Applications: automotive steering pump, rotary vane compressor stator, piston refrigeration compressor cylinder bore and the shaft bore grinding and the bearing industry.
Supporting: ToYo the inner circle Grinder etc.



Shape Code	Profile Sketch	Common Specification	
1A8		Specification 1A8 D×T×H	
		D	5.5~25
		H	2~19
		T	2~30
1A1		Specification 1A1 D×T×H×X	
		D	18~48
		H	10~40
		T	15~50
1A1W		Specification 1A1W D×T×H×L×M	
		D	7.5~55
		H	4~45
		T	15~55
1A1W		D	10~50
		H	5~45
		T	10~50

Machining Silicon Wafer Sapphire Diamond Grinding Wheel

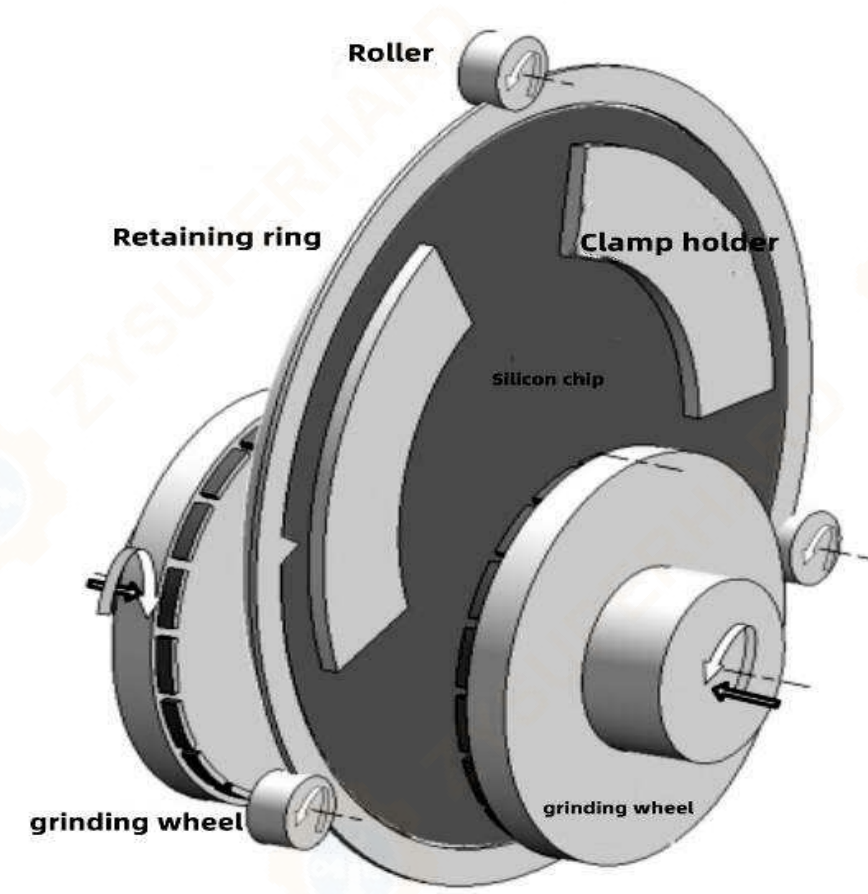
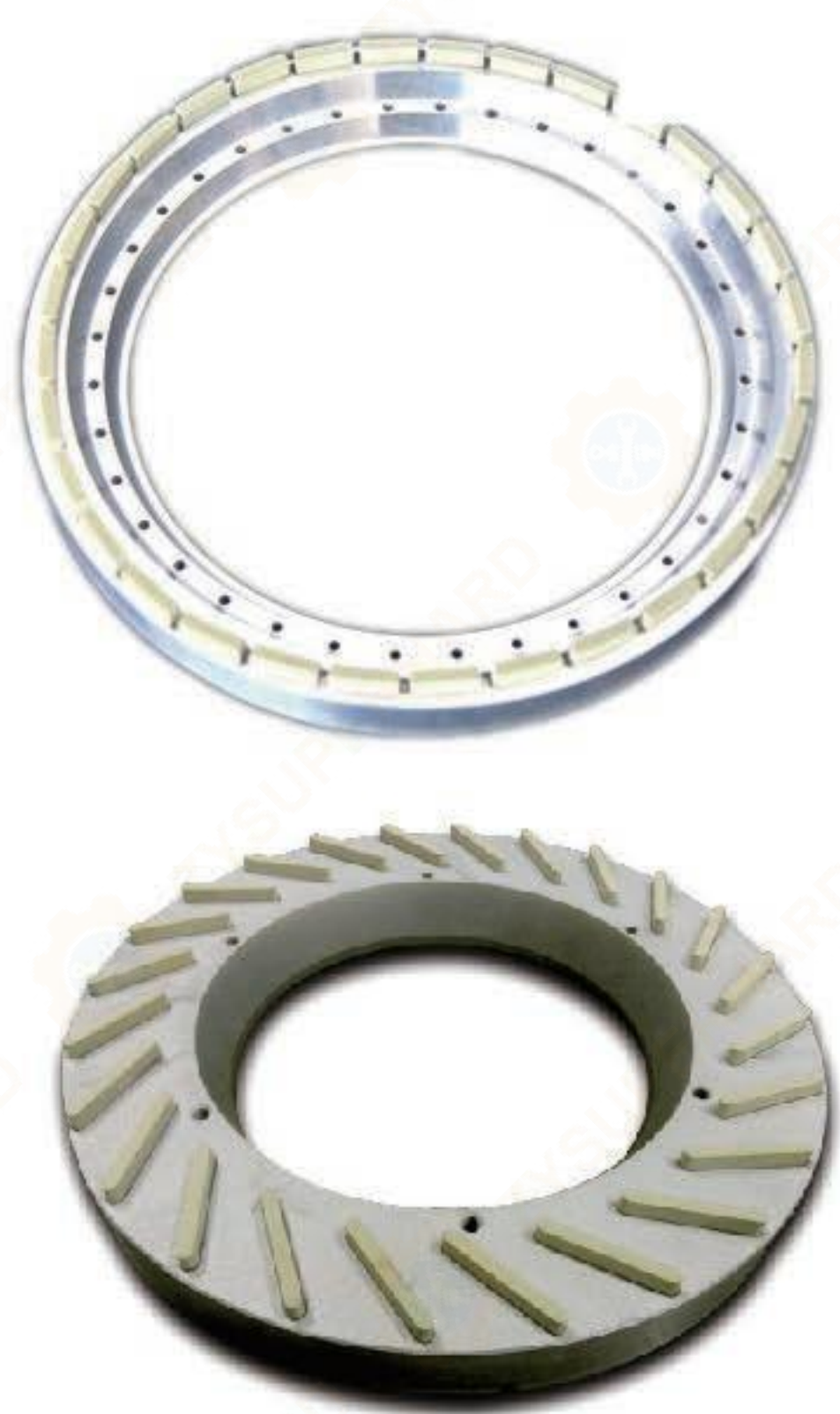


Sapphire, silicon wafer thinning grinding wheels is mainly used in thinning and lapping processing. Our production thinning grinding wheel can replace imported products, stable use in Japan, Germany, the United States, South Korea and China-made grinder, grinding wheel excellent performance, cost-effective.

Object Processing: sapphire sheet, discrete devices, integrated circuit substrate of silicon wafers and the like original.

Work-piece Material: sapphire, silicon and other semiconductor materials.

Application Process: the back thinning, rough grinding and lapping the front grinding process.



Shape Code	Profile Sketch	Common Specification		
6A2 or 6A2H		D	T	H
		175	30,35	76
		200	35	76
6A2T		195	22.5,25	170
		280	30	228.6
		350	35	235
6A2T (三椭圆形)		209	22.5,23	158

Shape Code	Profile Sketch	Common Specification		
6A2 or 6A2H		D	T	H
		175	30,35	76
		200	35	76
6A2T		195	22.5,25	170
		280	30	228.6
		350	35	235
6A2T (三椭圆形)		209	22.5,23	158

Company STRENGTH



Production equipment: 10 multi-function mixer, shaker 5, 150t press 15, 300t press 2, oven 20, frit furnace 5, sintering furnace 50, large diameter sintering furnace 5, CNC lathe 8, ordinary 2 lathes, large diameter Poor vehicle 1, 15 universal tool grinder, grinding wheel dressing machine, edge grinder, Saw 1 Taiwan, Taiwan vertical surface grinder, cylindrical grinder 1, line cutting, CNC drilling machine, sandblasting machine for 2, large air compressor station, laser marking machine for 2, vertical universal milling machine.

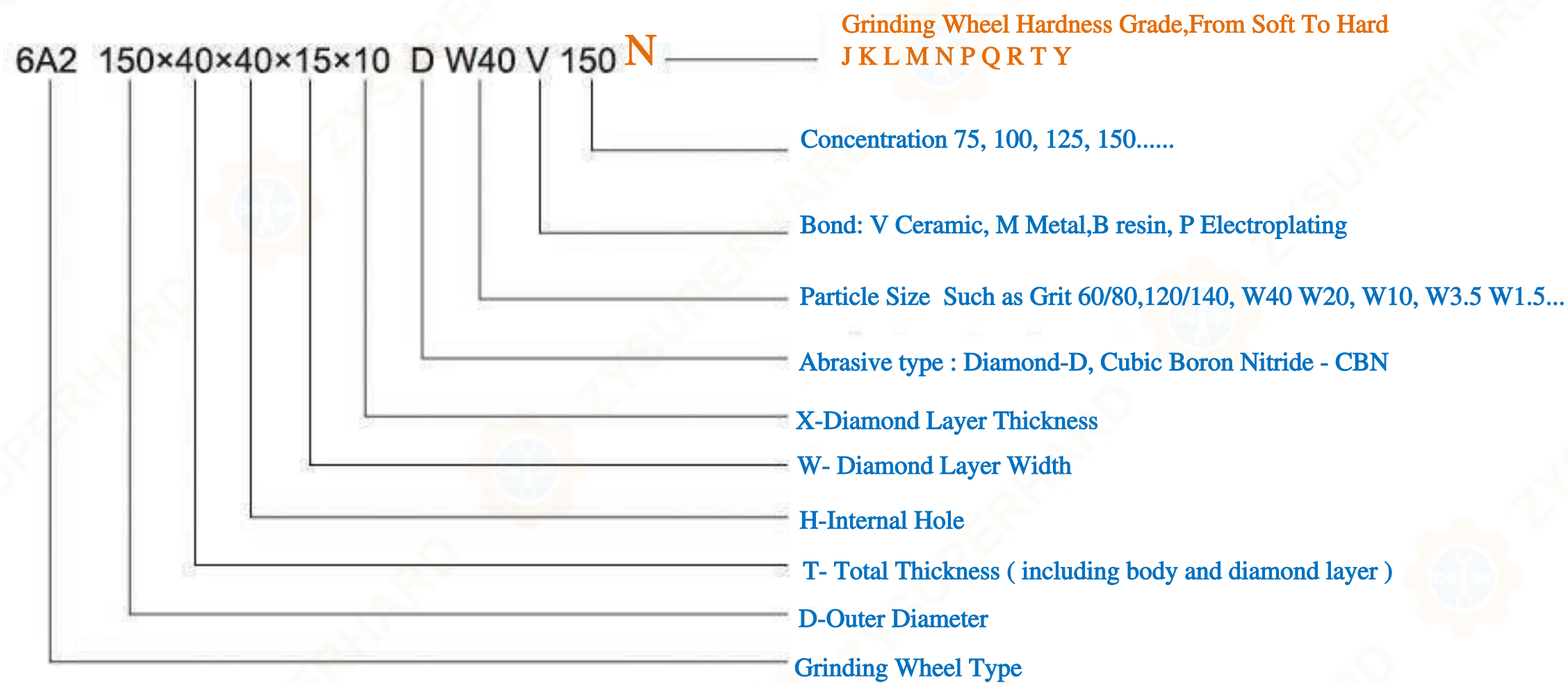
Testing equipment: vertical balancing machine, horizontal balancing machine, wheel rotation test machine, hardness tester 2, digital microscope 2, a variety of experimental testing equipment.





ZY SUPER HARD TOOLS CO.,Ltd

Writing Characteristics And Meaning Of Superhard Grinding Wheel



Concentration Code

Code	Abrasive content (g/ cm ³)	Concentration
25	0.22	25%
50	0.44	50%
75	0.66	75%
100	0.88	100%
150	1.32	150%
200	1.76	200%

Fit Tolerance Between Wheel Shaft Holes

Grinding Type	Hole Diameter	Spindle diameter
Precision grinding	H11	F7
Clean the mill and cut	H12	E8
Heavy duty mill	C11	E8
Superhard abrasive wheel	H7	f7

Particle Size Table

GB/T6406-1996	ISO6106-1979	Japan	(D50um)
W0.5	0~0.5	30000#	0.20~0.30
W1	0~1	15000#	0.6~0.8
W3.5	2~4	6000#	2.6~3.0
W5	3~6	4000#	3.5~4.2
W10	5~10	2000#	6.5~7.3
W14	7~14	1500#	9.1~10.05
W20	12~22	1000#	15.0~17.0
W28	20~30	700#	20~23
W40	30~40	450#	29~32

GB/T6406-1996	ISO6106-1979	Japan	(D50um)
60/70	60/70	70#	250/212
80/100	80/100	80#	180/150
100/120	100/120	100#	150/125
120/140	120/140	120#	125/105
140/170	140/170	150#	106/90
200/230	200/230	180#	75/63
230/270	230/270	240#	63/53
270/325	270/325	280#	53/45
325/400	325/400	320#	45/38

When ordering a grinding wheel, please try to tell us the following information:

- 1.the model of the grinding wheel
- 2.the size (outer diameter, thickness, aperture /hole size, abrasive layer width and thickness),
- 3.the type of abrasive
- 4. the particle size
- 5.the type of bond
- 6.the concentration,
- 7.the grinding method (dry or wet grinding)
- 8.the material to be processed
- 9.processing equipment, etc.,

the more detailed the description, the more suitable grinding wheel can be obtained