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SINOGRIND CO., LTD

中研(深圳)国际贸易有限公司

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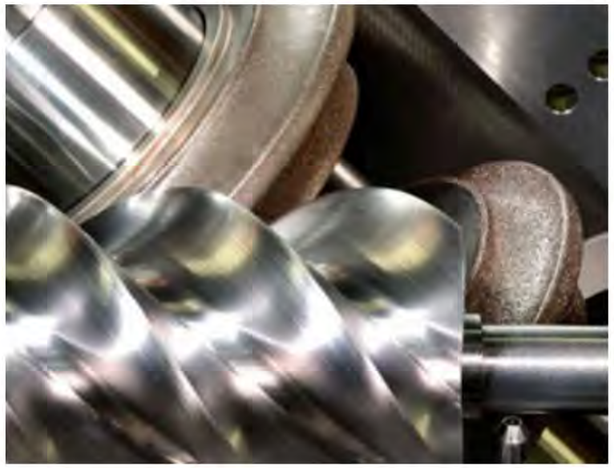
螺杆转子磨削专用CBN磨轮

SPECIAL GRINDING WHEEL FOR COMPRESSOR SCREW ROTOR



产品介绍 / PRODUCT PRESENTATION

本产品用于压缩机螺杆转子的粗、精成型磨削加工。配套国内和国外高速数控转子磨床，一次装夹进行粗、精加工，磨轮不需要修整，轮廓精度可达0.005mm，磨轮基体可重复利用。

我公司研发生产此型磨轮的厂家，目前相关技术和工艺已经成熟，正逐步替代国外同类产品。

This product is used for the rough and fine forming grinding of the compressor screw rotors. Supporting the domestic and foreign high speed NC grinder, rough and fine grinding can befinished at one time without trimming. The accuracy of the profile can reach 0.005mm, and thegrinding wheels can be recycled.

Our company is research & develop this type of grinding wheel, now ourtechnique and process is mature, and gradually replace the same kind of product improted.

常用规格表/Regular Size

Diameter(mm)	Thickness(mm)	Aperture(mm)
∮200/220	40/50/60/70	∮80
∮240/250	50/60/70/80/90/100	∮80
∮280/300	100/110/120/130/140/150	∮80

可根据客户要求的规格订制

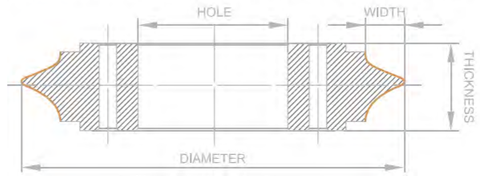
技术说明 / TECHNICAL DESCRIPTION

本产品最大允许线速度125m/s，推荐工作线速度80-100m/s，属高效深切磨削，此为集高砂轮线速度、高进给速度和大切深为一体的高效率磨削工艺，在获得相当的表面粗糙度的情况下，材料去除率为普通磨削的100倍以上，可极大提高加工效率和降低加工成本。适用于加工球墨铸铁、45钢等材料。

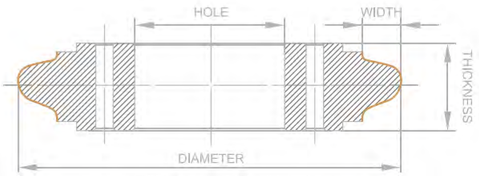
相比国内还在大量使用的盘型铣刀铣削加工法，此成型CBN磨轮配套专用磨床进行磨削加工，具有粗、精加工一次完成、加工精度高、形状保持好、加工效率高等优势。与进口此型磨轮相比，可达到同等的加工精度和寿命，但交货期短，售后服务反应快速，沟通顺畅，综合性价比高。

The maximum linear speed allowed is 125m/s, recommended linear speed is 80-100m/s. It belongs to the high efficiency large cutting depth grinding, a high efficient grinding technology with the characteristic of high linear velocity , high feed rate, deep sawing, under the condition of the same surface roughness the material removal rate is 100 times than the ordinary grindingprocess. It can enhance the efficiency and low down the cost dramatically. Suitable for the processing of the nodular cast iron, 45 steel.

Compared with the milling processing with the disc cutter normally used domestically, this CBN grinding wheel matching the special grinder, can realize finishing rough and fine grinding at once time with the advantage of high precision, good shape keeping, high efficiency. Compared with the same grinding wheel imported, our grinding wheel can reach the same precision and service life, but shot delivery time, quick reaction of the after-sold service, smooth communication, high performance cost ratio.



阳转子（Male Rotor）



阴转子（Female Rotor）

全液压转向器内腔定子磨轮

GRINDING WHEEL FOR FULL HYDRAULIC STEERING STATOR

产品介绍 / PRODUCT PRESENTATION

本产品主要用于全液压转向器内腔定子的成型磨削。可直接配套KAPP等磨床，也可替换可修整砂轮在Peter Wolters等数控成型磨床上使用。

This product is mainly used for forming grinding of inner cavity stator of full hydraulic steering gear. It can be directly matched with grinders such as KAPP, or can be used on CNC forming grinders such as Peter Wolters to replace the grinding wheels need to be trimmed.

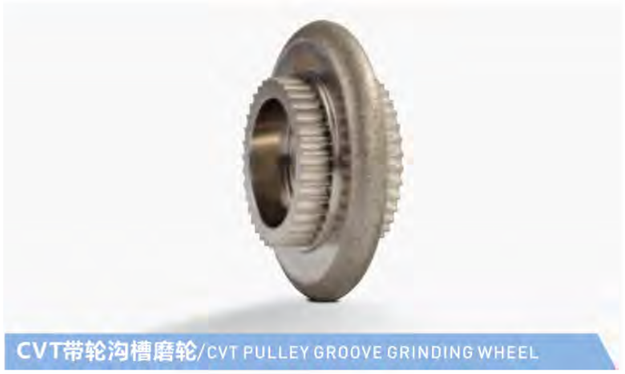
技术说明 / TECHNICAL DESCRIPTION

此磨轮可以在Vs ≤ 45m/s的低速磨削条件下达到较高的尺寸精度和粗糙度，不需修整，磨削稳定性好，工件表面不易产生烧伤和微裂纹，加工效率较可修整砂轮有明显提高。

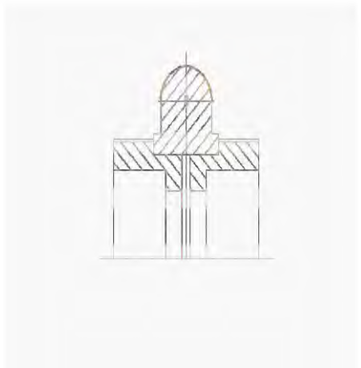
This grinding wheel can achieve higher dimensional accuracy and roughness under the low speed grinding condition of Vs≤45 m/s, trimless, with good grinding stability, not easy to produce burns and micro-cracks on the surface of the workpiece, and the processing efficiency is significantly improved compared with the dressing grinding wheels need to be trimmed.

专用高精度CBN磨轮

SPECIAL HIGH PRECISION CBN GRINDING WHEEL



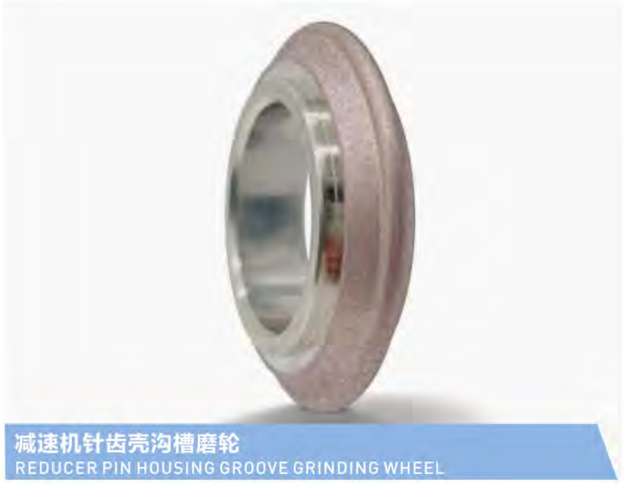
CVT带轮沟槽磨轮/CVT PULLEY GROOVE GRINDING WHEEL



产品介绍 / PRODUCT PRESENTATION

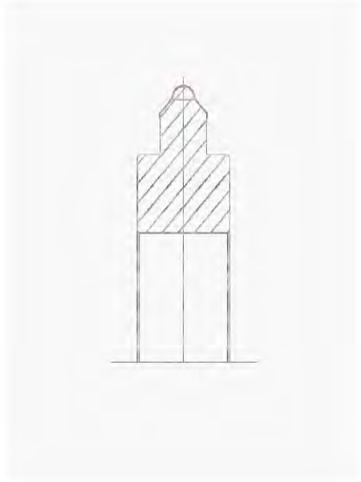
本产品主要用于汽车CVT带轮内沟槽的成型磨削。配套Koyo(光洋)等国外专用磨床。

This product is mainly used for the forming grinding of the grooves of the CVT pulley. Supporting Koyo(guangyang) and other foreign special grinder.



减速机针齿壳沟槽磨轮

REDUCER PIN HOUSING GROOVE GRINDING WHEEL



产品介绍 / PRODUCT PRESENTATION

本产品主要用于机器人RV减速机针齿壳沟槽的成型磨削。配套Magerle(美盖勒)等国外专用磨床。

This product is mainly used for the forming grinding of the pin housing of the robot RV reducer. Supporting Magerle(America) and other foreign special grinder.

齿轮磨削专用CBN磨轮
GRINDING WHEEL FOR GEAR

成型磨齿砂轮 / FORMING GRINDING WHEEL FOR GEAR

产品介绍 / PRODUCT PRESENTATION

本产品主要用于加工直齿轮和斜齿轮，砂轮轮廓形状精度来保证齿轮精度。配套国内外数控齿轮磨床，可一次装夹进行粗、精磨削加工，磨轮不需要修整。

This product is mainly used for the processing of the spur gear and the helical gear, the accuracy of the grinding wheel ensures the accuracy of the gear. Supporting domestic and foreign NC gear grinder, the rough grinding and fine grinding can be finished at once, and the grinding wheel needn’ t trim.

单斜边滚刀磨轮 / GRINDING WHEEL FOR SINGLE BEVEL HOB

产品介绍 / PRODUCT PRESENTATION

本产品用于精密齿轮、蜗轮滚刀的磨削加工。适用于加工高速钢和硬质合金等材料，硬度最高可达63 - 66HRC。

This product is used for the grinding of the high precision gear, and the worm gear hob. Suitable for the material such as high-speed steel, cemented carbide, the hardness can be up to 63 - 66HRC.

小模数齿轮成型磨轮/PROFILE GRINDING WHEELS FOR SMALL MODULE GEARS

产品介绍 / PRODUCT PRESENTATION

本产品用于航空工业或其他精磨部件中小模数齿轮的成型磨削，配套国内外专用数控齿轮磨床，磨轮使用过程中不需要修整，轮廓精度可达0.0015mm。

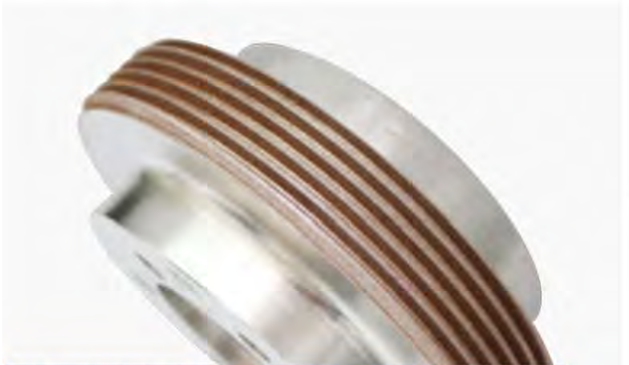
This product is used for the profile grinding of small and medium module gears in the aviation industry or other precision grinding parts. It is equipped with special CNC gear grinding machines domestic and abroad. The grinding wheels are trim-free, and the contour accuracy can reach 0.0015mm.

单斜边磨齿砂轮 / SINGLE BEVEL GRINDING WHEEL FOR TOOTH

产品介绍 / PRODUCT PRESENTATION

本产品用于齿形两侧面的精磨，适用于加工50Mn、42CrMo、40Cr、65Mn等材料。

This product is used for the fine grinding of the two sides of the tooth profile, suitable for the processing of materials like 50Mn、42CrMo、40Cr、65Mn.



蜗杆式磨齿砂轮 / GRINDING WHEEL FOR WORM GEAR

产品介绍 / PRODUCT PRESENTATION

本产品磨齿时相当于一个螺旋角很大的斜齿圆柱齿轮和被加工齿轮做空间啮合，在一定的速比关系下进行展成运动完成渐开线齿形的磨削加工。配套国内外数控齿轮磨床。

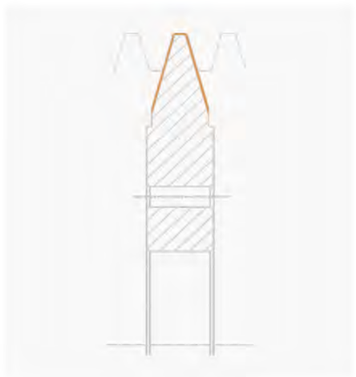
When this product grind the gear, it is like the spatial mesh between a helical gear with big helical angle and the gear to be processed, and do the generating motion under a certain Speed ratio relationship, finish the grinding of the involute tooth profile. Supporting domestic and foreign NC gear grinder.

齿轮磨削专用金刚石修整滚轮
DIAMOND DRESSING ROLLER

产品介绍 / PRODUCT PRESENTATION

本产品是采用电镀工艺加工的金刚石修整滚轮，主要用于各种磨齿刚玉、陶瓷砂轮的成型修整，生产周期短，性价比高。

This product is a diamond dressing roller produced by electroplating process.It is mainly used for forming dressing of various corundum and ceramic grinding wheels with the advantage of short production cycle and high cost performance.



齿轮轴沟槽磨削专用CBN磨轮
CBN GRINDING WHEEL FOR GEAR SHAFT

产品介绍 / PRODUCT PRESENTATION

本产品用于变速箱轴、传动轴、转向机等沉沟槽磨削，常用于junker 、overbeck等磨床。砂轮线速度可达105m/s. 最大比材料去除率为50mm3/mm s.磨削方式为成形切入磨，一次进给可实现所有沟槽尺寸的精密磨削。

This product is used for slot grinding of gearbox shafts, drive shafts, steering gears, etc.often used in junker, overbeck and other grinding machines. The linear speed of the grinding wheel can reach 105m/s. The maximum specific material removal rate is 50mm3/mm s. The grinding method is forming cutting grinding，and it can realize precision grinding of all groove sizes in one feed.

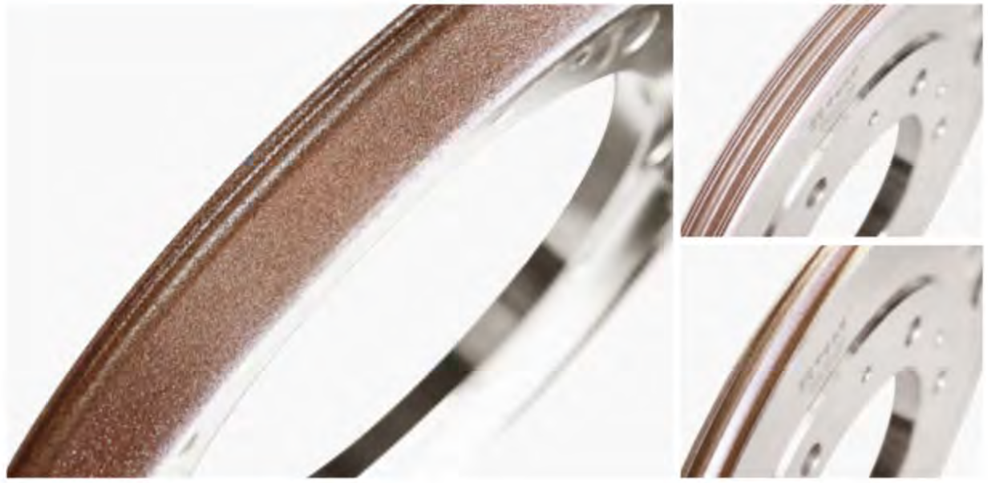
常用规格表/Regular Size

Diameter(mm)	Thickness(mm)	Aperture(mm)
∮500	105/156	∮200
∮400	71	∮127

Can be produced according to the customer requirements 可根据客户要求的规格订制

发动机气门加工专用CBN工具

GRINDING WHEEL FOR ENGINE VALVE



产品介绍 / PRODUCT PRESENTATION

本系列产品用于发动机气门锁夹槽、颈部、盘锥面、盘外圆、盘端面等部位的成型磨削加工和杆端的切断加工以及多部位组合加工，

产品配套国内（东台伟峰、中山鼎兴、中山晨科、苏州天之娇等）和国外数控气门专用磨床，

适用于加工40Cr、4Cr9Si2、4Cr10Si2Mo、21-4N、23-8N等普通合金钢和耐热合金钢。

This series products are used for the forming grinding of the engine lock slot,neck,tapered surface,and the end surface of the engine valve,as wel as the cutting off and multiparts processing.

Products can support domestic (Dongtai Weifeng, Zhongshan Dingxing, Zhongshan Chenke, Suzhou TZJ etc.) and foreign special grinding machine for engine valve.

Suitable for processing 40Cr、4Cr9Si2、4Cr10Si2Mo、21-4N、23-8N and other ordinary alloy steel and heat-resistant alloy steel .

技术说明 / TECHNICAL DESCRIPTION

本产品最大工作线速度可达180m/s，属缓进给成型磨削，磨轮和工件有较大的接触面积和高的速度比，可实现高的材料去除率，大幅提高加工效率和降低加工成本，磨轮使用中形状保持好，不需要修整。

加工工件的轮廓精度可达0.01㎜，磨轮基体可重复利用。

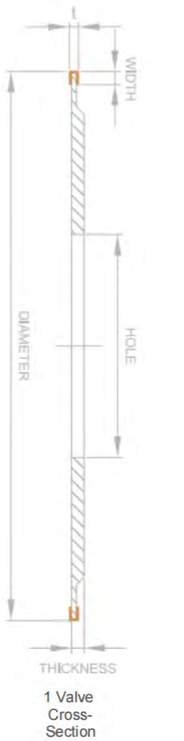
The maximum working linear velocity can reach 180m/s, belong to creep slow form grinding. Grinding wheel and workpiece have large contact area and high speed ratio, can achieve high material removal rate, improve the machining efficiency and reduce machining cost enormously, and needn’ t trim.

The contour accuracy of the work piece can reach 0.01㎜, the base of the grinding wheel can be recycled.

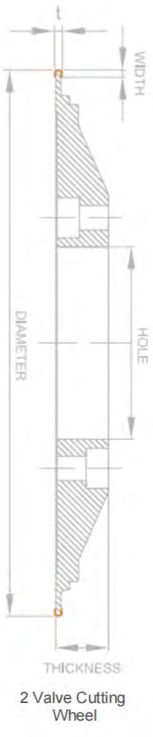
Application Table for Valve Series Grinding Wheels

Tools	Machining area	Processing Diagram	Specifications(D× T/t× H× W)	Linear Speed (m/s)	Workpiece Roughness
Slices	Rod tip	1Valve Cross-Section	∮210×3/1.8×∮90 6	50 — 80	—
			∮260×3/1.8×∮90×6		
			∮300×3/1.8×∮35×6		
			∮350×2.7×∮35×5		
Cutting disc	Shaft End	2Valve Cutting Wheel	∮400×23.6/3×∮228.8×3	100 — 125	—
Clamp groove grindin g wheel	Single Groove + Chamfer	3Single-groove valve grinding wheel	∮380×(20-35)×∮160	100 — 150	Ra0.8 — 1.6
	Double Groove + Chamfer	4Double-groove valve grinding wheel			
	Triple Groove + Chamfer	5Triple-groove valve grinding wheel			
Neck grinding wheel	Neck	6Valve grinding wheel neck	∮380×(40-45)×∮160	100 — 130	Ra1.6
Conical-faced cylindrical grinding wheel	Flange face + Flange outer diameter	7Outside the valve grinding wheel cone	∮380×(25-30)×∮160		
		8Outside the valve grinding wheel cone	∮380×(20-30)×∮160		
		9Outside the valve grinding wheel cone	∮500×(30-40)×∮160	120 — 140	
Combined grinding wheel	Shaft + Neck + Flange Face + Flange Outer Circle	10Outside the valve grinding wheel cone	∮500×(30-45)×∮304.9	150 — 180	Rz10
	Neck + flange cone surface + flange outer diameter + flange end face	11Outer end of the valve grinding wheel neck taper	∮400/500×(25-35)×∮203.2	120 — 150	Ra1.6

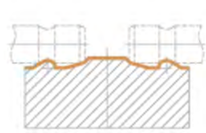
可根据客户要求的规格订制



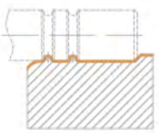
1 Valve Cross-Section



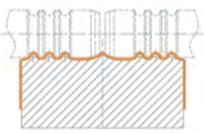
2 Valve Cutting Wheel



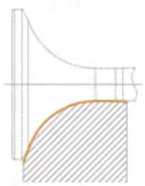
3 Single-groove valve grinding wheel



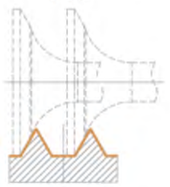
4 Double-groove valve grinding wheel



5 Triple-groove valve grinding wheel

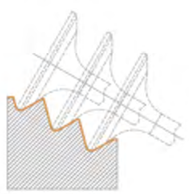


6 Valve grinding wheel neck

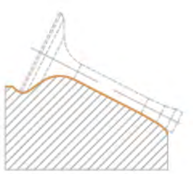


7 Outside the valve grinding wheel cone

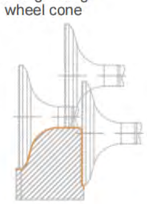
8 Outside the valve grinding wheel cone



9 Outside the valve grinding wheel cone



10 Outside the valve grinding wheel cone



11 Outer end of the valve grinding wheel neck taper

CBN其他类产品
OTHER CBN GRINGING WHEEL

凸轮轴磨削专用磨轮 / GRINDING WHEEL FOR CAMSHAFT

凸轮轴磨削专用磨轮常用规格表

Diameter(mm)	Inner diameter(mm)	Thickness(mm)	Ring width(mm)
∮400	157	32	—
∮500	203	22/27/30/36	3/20

可根据客户要求的规格订制

产品介绍 / PRODUCT PRESENTATION

本产品用于汽车发动机凸轮轴的粗磨加工。配套国内和国外（德国勇克）专用磨床。适用于磨削冷激铸铁、球墨铸铁、灰口铸铁和合金铸铁等铸铁类材料和20Cr、GCr15、80B高碳钢以及45钢等材料。

This grinding wheel used for the rough grinding of the automobile motor camshaft. Supporting domestic and foreign special grinder (JUNKER grinder from Germany). Suitable for the grinding of chilled cast iron, nodular cast iron, button gray cast iron, cast alloy iron, and 20Cr、GCr15、80B high-carbon steel. 45 steel.

技术说明 / TECHNICAL DESCRIPTION

本产品最大允许线速度120m/s，正常加工线速度80-100m/s，属于大进给成型磨削，以磨代车，不需要修整，可大幅提高加工效率和降低加工成本。磨轮基体可重复利用。

The maximum linear speed allowance of this product is 120m/s, normal processing linear speed is 80-100m/s, it belongs to the large feeding forming grinding that cand instead lathing the grinding wheel needn’ t trim, it can enhance processing efficiency and lower down the cost enormously, what’s more the base of the grinding wheel can be recycled.

丝锥磨削专用磨轮 / GTINDING WHEEL FOR SCREW TAP

产品介绍 / PRODUCT PRESENTATION

本产品用于医用丝锥等异型牙丝锥的成型磨削加工。配套德国舒特数控磨床和专用五轴联动磨床。适用于磨削3Cr13、1RK91、5Cr17MoV等不锈钢材料，加工工件硬度可达HRC56-60。

This product is used for the forming grinding of abnormal shape screw tap. Support German Shute NC grinding machine and special five-axis linkage grinder.

Suitable for grinding 3Cr13、1RK91、5Cr17MoV stainless steel material, the hardness of the work piece processed can reach HRC56-60.

丝杠成型磨削砂轮 / FORMING GRINDING WHEEL FOR THE LEAD SCREW

产品介绍 / PRODUCT PRESENTATION

本产品用于丝杠的粗磨加工，一次进给实现多齿磨削，余量均匀递减。

This product is used for the rough grinding of the lead screw,It can realize multi-tooth grinding at feed. Uniform diminishing margin.

CBN磨头 / CBN GRINDING HEAD

产品介绍 / PRODUCT PRESENTATION

本产品主要用于精密工件内圆孔径及工件边角的磨削。

This product is used for the grinding of the inner hole and corner of the precision work piece.

螺纹磨削砂轮 / SCREW THREAD GRINDING WHEEL

本产品主要配套螺纹磨床用于各类螺纹刀具和量具以及精密丝杠的成型磨削。

This product is mainly used for supporting screw thread grinder, and for forming grinding of all kinds of thread tools, measuring tool, as well as precision lead screw.

压缩机叶片开槽专用磨轮 / SLOTTING WHEEL FOR COMPRESSOR BLADE

产品介绍 / PRODUCT PRESENTATION

本产品用于压缩机叶片的精密开槽磨削加工。配套国内外高精密数控槽磨磨床。

This product is used for the precision slotting of the compressor blade. Supporting domestic and foreign high precision slotting grinder.

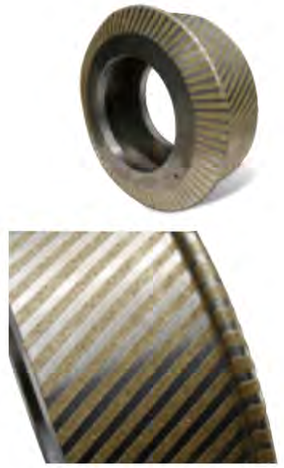
活塞环磨削专用磨轮 / GRINDING WHEEL FOR PISTON RING

本产品用于活塞环缸体的开槽倒角磨削加工。

适用于球墨铸铁、合金铸铁、马氏体和奥氏体不锈钢等材料的磨削加工，具有效率高，精度高，无需修整等特点。

This grinding wheel is used for the chamfering and slotting grinding for the piston ring. Suitable for the grinding of the nodular cast iron, cast alloy iron, martensite and Austenitic stainless steel, with the advantage of high efficiency, high precision, trim free.

高速铁路专用工具
SPECIAL TOOLS FOR THE HIGH SPEED RAILWAY



高铁轨道板磨轮 / SPECIAL GRINDING WHEEL FOR HIGH SPEED RAIL

产品介绍 / PRODUCT PRESENTATION

专用于高速铁路CRTⅡ型无砟轨道板的磨削。

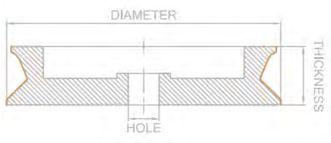
This product is used for the grinding of CRTⅡ ballastless track slab of the high-speed railway.

高铁刹车片磨削专用磨轮 / SPECIAL GRINDING WHEEL FOR HIGH SPEED RAIL BRAKE PAD

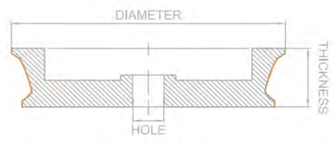
产品介绍 / PRODUCT PRESENTATION

本产品用于材质为粉末冶金材料、C/C复合材料、高磨合成材料等的高铁刹车片的成型磨削加工，体现了成型磨削加工效率高、废品率低及加工精度高的优势。

This product is used for the forming grinding of the high speed rail brake pad, the material is powder metallurgy material, C/C, composite material, High-abrasive synthetic materials. This process Have an advantage of low scrap rate, high precision.

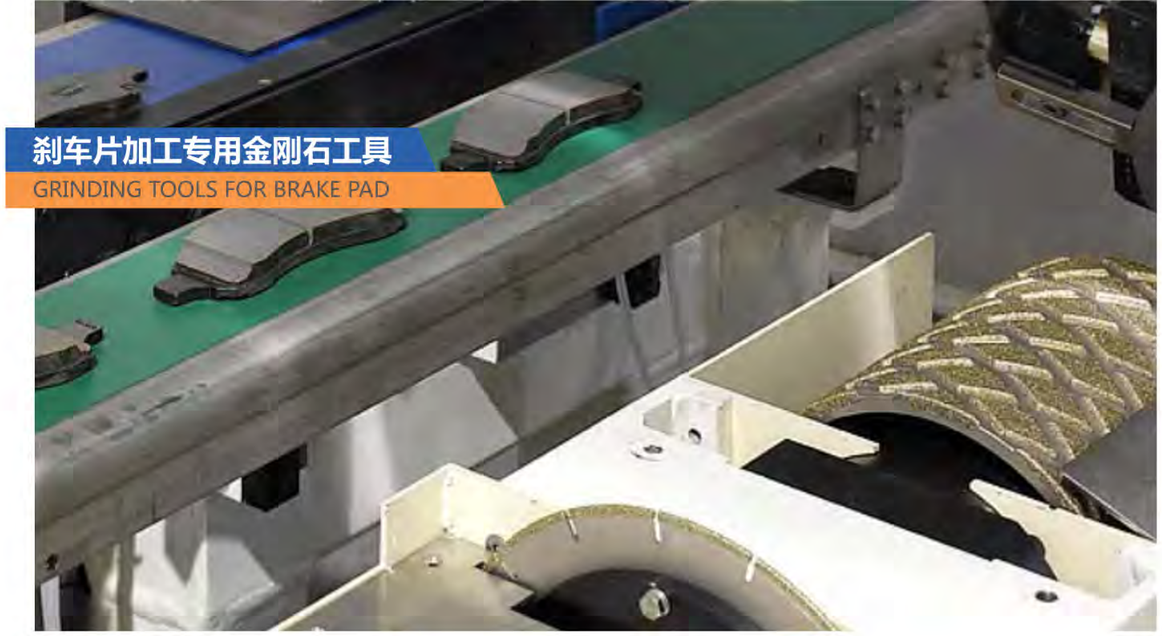


左磨轮示意图



右磨轮示意图

磨削示意图



刹车片加工专用金刚石工具
GRINDING TOOLS FOR BRAKE PAD

产品介绍 / PRODUCT PRESENTATION

本系列产品用于摩擦材料行业鼓式刹车片和盘式刹车片的外弧磨削内弧磨削 、平面磨削 、倒角磨削和开槽等加工。

This series of products are used in friction material area, for inner&outer arc grinding, surface grinding, chamfering grinding and grooving of drum brake pads and disk brake pads.

技术说明 / TECHNICAL DESCRIPTION

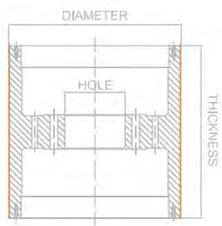
本系列产品配套国内（郑州白云、吉林工大、青岛福瑞、山东金麒麟等）和国外（意大利COMEC，韩国相信、韩国BT等）刹车片专用磨床和全套生产线，可以提供粗磨、精磨、开槽、倒角等全部工序所需的全部磨削加工工具。

适用于加工低金属 、半金属和陶瓷配方等所有类型的刹车片。

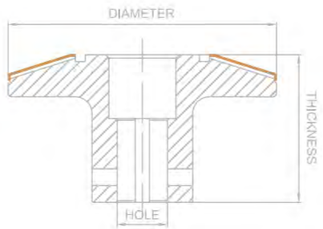
This series of products can support domestic (Baiyun, Jilin Wanda, Qingdao Furui, Gold Phoenix, etc.) and foreign (COMEC, SANGSIN, BT, etc) brake pads grinding machine and complete set production line. All grinding wheels for rough grinding, finish grinding , grooving , chamfering can be provided.

Suitable for processing all types of brake pads, such as low metal, half metal and ceramic formula, etc.

磨　盘



筒形磨轮



倒角轮

Application Chart for Brake Pad Series Grinding Wheels

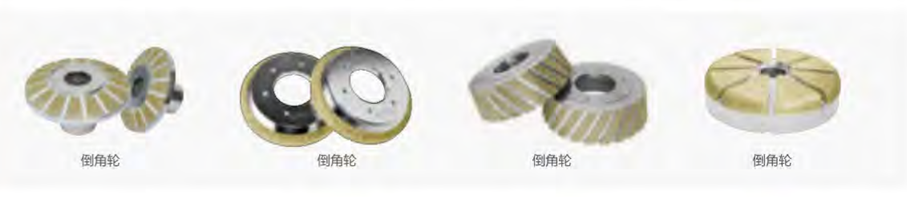
名　称	产品图片	规格(D×T×H×W)	应用设备
磨　盘 GRINDING DISC	磨　盘　1	∮300×33/38×ϕ140	吉林工大
	磨　盘　2	∮350×26×ϕ170	意大利COMEC
	磨　盘　3	∮350×26×ϕ170	
	焊 接 磨 盘	∮280×50×ϕ50	韩国BT
筒形磨轮 CYLINDER GRINDING WHEEL	筒 形 磨 轮 1	∮200×220×ϕ70	意大利COMEC
	筒 形 磨 轮 2	∮200×290×ϕ45	
	筒 形 磨 轮 3	∮100×300×ϕ40	
倒角轮 CHAMFERING WHEEL	倒　角　轮	∮160×88×ϕ30	意大利COMEC
	倒　角　轮	∮200×44/60×ϕ75	意大利COMEC
	倒　角　轮	∮240×30×ϕ50×15°	青岛福瑞
	焊 接 倒 角 轮	∮280×30×ϕ50×15°	韩国BT
开槽片（轮） STOTTING DISC (WHEEL)	开　槽　片	∮180×2.5×ϕ40×3	
		∮200×3×ϕ75×3	意大利COMEC
		∮250×2.2×ϕ50×5	
	开　槽　轮	∮250×20×ϕ50	

可根据客户要求的规格订制

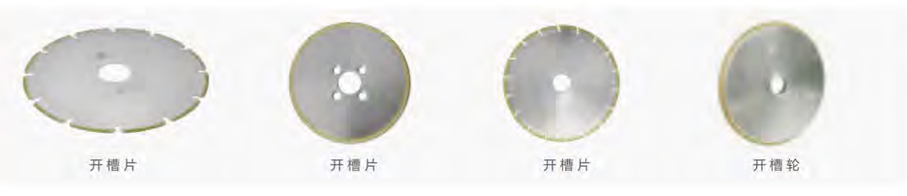
磨盘

筒形磨轮

倒角轮



开槽片（轮）



铸件打磨专用工具

SPECIAL TOOLS FOR CASTING GRINDING

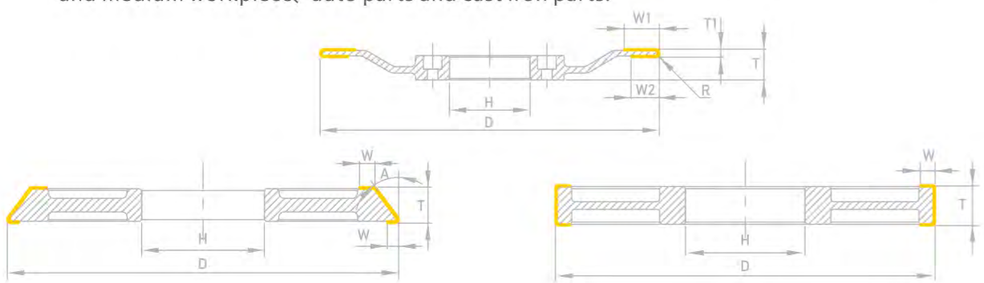
产品介绍 / PRODUCT PRESENTATION

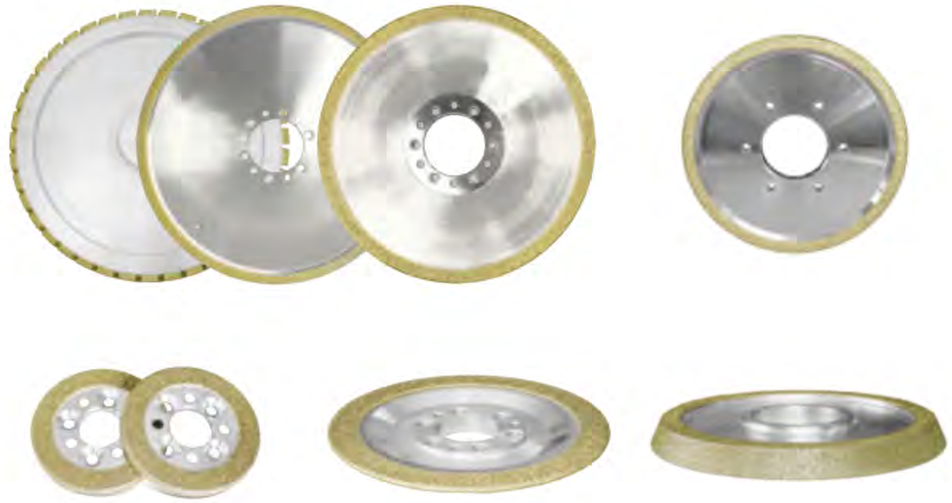
本产品配套国内外先进设备，适用于黑色金属：铸钢、铸铁，有色金属以及新材料：玻璃钢、芳纶、碳纤维、碳纳米材料等的修整、切割、打磨、去毛刺、抛光加工，本产品的制造精度高，使用寿命长，单件加工成本低，节能环保，并可以在高转速条件下稳定使用，很大程度上提高了工作效率。解决了对大型工件（航空航天机舱、船体、风能叶片、发动机叶片、复合材料管道等）的打磨，及复杂轮廓工件（发动机缸体缸盖等各种铸件）的一体化去毛刺、抛光加工。适应工业4.0的发展及《中国制造2025》的要求。

This series of products are used for the polishing, cutting, trimming, burring, and grinding of the ferrous metal and the nonferrous metals(cast aluminium alloy, aluminium magnesium alloy), and new material such as fiberglass, Aramid, carbon fiber, carbon nanometer. With the advantage of high precision, high efficiency, low cost. Our products realize the grinding of the big work piece such as cabin of the space flight, the body of the ship, fun blade, funblade of the engine, as well as the burring, polishing of the complex profile work piece (cylinder block and the cylinder cover). Meet the standard of development of the industry 4.0 and “Made in China 2025”.

适用于中小型工件、汽车配件及铸铁部件的飞边、毛刺、分型线的清理，以及浇冒口残留的去除。

Used for the cleaning of the trimming, rag, burr, joint line, and the casting head of the small and medium workpiece、auto parts and cast iron parts.





金刚石系列磨轮磨盘常用规格表/Regular Size For Diamond Grinding Wheel

Diameter(mm)	Inner diameter(mm)	Thickness(mm)	Ring width(mm)
∮80	8	∮25	12.5
∮355	12	∮80	15
∮400	40/34	∮127/80	12/50
∮405	12/16/25	∮80	15
∮455	12	∮80	15
∮455	38.1	∮38.1	40

Can be produced according to the customer requirements

可根据客户要求的规格订制

CBN系列磨轮磨盘常用规格表/Regular Size For CBN Grinding Wheel

Diameter(mm)	Inner diameter(mm)	Thickness(mm)	Ring width(mm)
∮200	25	∮60	12
∮360	16	∮80	80

Can be produced according to the customer requirements

可根据客户要求的规格订制

铸件打磨专用工具

SPECIAL TOOLS FOR CASTING GRINDING

产品介绍 / PRODUCT PRESENTATION

本产品配套国内外先进设备，适用于黑色金属：铸钢、铸铁，有色金属以及新材料：玻璃钢、芳纶、碳纤维、碳纳米材料等的修整、切割、打磨、去毛刺、抛光加工，本产品的制造精度高，使用寿命长，单件加工成本低，节能环保，并可以在高转速条件下稳定使用，很大程度上提高了工作效率。解决了对大型工件（航空航天机舱、船体、风能叶片、发动机叶片、复合材料管道等）的打磨，及复杂轮廓工件（发动机缸体缸盖等各种铸件）的一体化去毛刺、抛光加工。适应工业4.0的发展及《中国制造2025》的要求。

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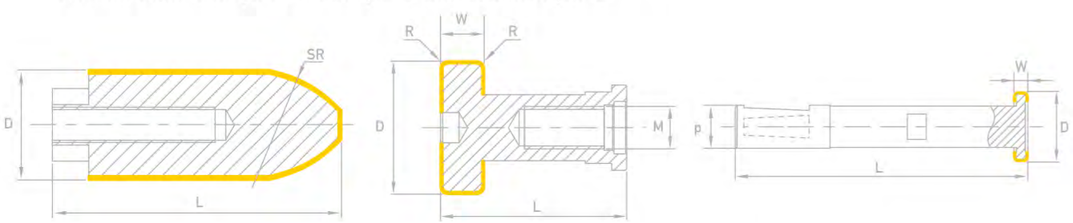


磨头类(小直径)常用规格表/Regular Size For Grinding Head

Diameter(mm)	Thickness(mm)	Aperture(mm)
∮20	50	∮10
∮32	48	∮M10
∮36	145	∮25
∮40	170	∮24
∮50	70	∮M16
∮80	70	∮M16
∮20	115	∮M16

Can be produced according to the customer requirements

可根据客户要求的规格订制

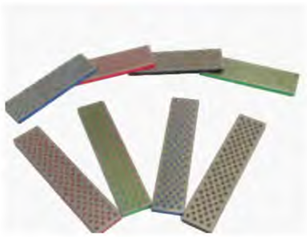
复合材料加工专用金刚石工具
SPECIAL DIAMOND TOOLS FOR THE COMPOSITE MATERIAL

玻璃钢管道磨轮 / GRINDING WHEEL FOR FRP PIPE

产品介绍 / PRODUCT PRESENTATION

本产品用于玻璃钢管道接口（双“O”型密封承插连接）的磨削加工，可根据客户要求定制各种规格的磨轮。

The product is used for grinding FRP pipe bell and spigot joint (two elastomeric O-rings installed in parallel grooves machined on spigot) , any size can be made according to customers' requirements.



打磨、抛磨专用工具 / GRINDING AND POLISHING TOOLS

产品介绍 / PRODUCT PRESENTATION

本产品主要用于复合材料、半导体材料的打磨及抛磨。具体加工材料包含合成树脂、橡胶、陶瓷、石墨、碳、玻璃纤维、碳纤维、硼纤维、芳纶纤维、碳化硅纤维、石棉纤维、玻璃钢、石材、陶瓷、水晶、玉石等。

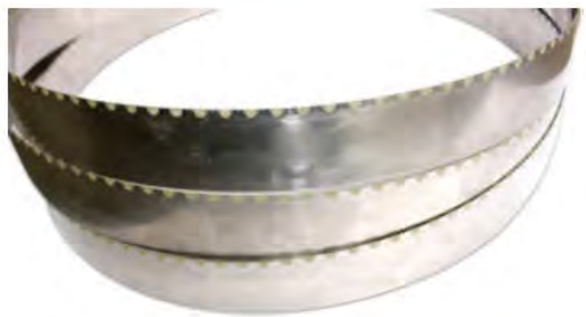
This product is used for the grinding and polishing of the composite material. Material processed includes synthetic resin, rubber, ceramic, graphite, carbon, glass fiber, carbon fiber, boron fiber, aramid fiber, silicon carbide fiber, asbestos fiber, glass steel, stone, ceramic, crystal etc.

风机叶片锯片 / CUTTING BLAD FOR THE FAN BLADE

产品介绍 / PRODUCT PRESENTATION

本产品用于风机叶片的切割，采用高强度的锯片基体和金刚石磨料，保证切割效率的同时大幅增加耐磨性，确保最佳的使用效果和高性价比。

This product is used for cutting fan blades, using high strength matrix and diamonds to keep the cutting efficiency and wear resistance, in order to ensure the best using effect and high cost performance.



非金属材料切割带锯 / BAND SAW FOR NON-METALLIC MATERIAL

产品介绍 / PRODUCT PRESENTATION

本产品用于太阳能单晶硅等非金属脆硬材料的连续切割，采用进口不锈钢带锯基体和专用金刚石磨料，保证锋利度，有效防止崩边现象，避免被加工材料的浪费。

The product is used for cutting solar energy mono-crystalline silicon and other hard and brittle non-metallic materials, use imported stainless steel matrix and special diamonds to ensure the sharpness, effectively avoid edge breakage and materials waste

金刚石其他产品
OTHERDIAMONDTOOLS

产品介绍 / PRODUCT PRESENTATION

本产品适用于内齿轮及花键槽的拉削加工。适用于磨削20MnCr5，20CrNi等材料，加工硬度可达59-65HRC。

This product is used for the broaching processing of the internal gear and the spline slot. Suitable for the grinding of material such as 20MnCr5，20CrNi the processing hardness can reach 59-65 HRC.

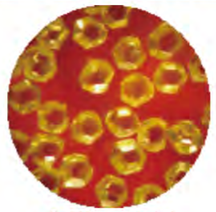
产品介绍 / PRODUCT PRESENTATION

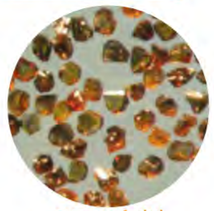
本产品是采用电镀外镀工艺加工的修整滚轮，用于各种异型工件加工中砂轮的成型修整。与内镀滚轮相比，精度稍差，但加工周期短，性价比高。

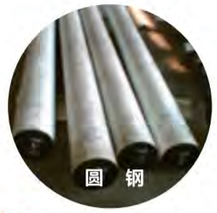
This trimming diamond dressing roller adopt the technology of outside plating, mainly used for the forming trimming of the grinding wheels when producing abnormal shape work piece. Compared with the inside plating roller, this product possess the advantage of short delivery time, high performance cost ratio.

成熟的质量管理体系
MATURE QUALITY MANAGEMENT SYSTEM

1. 供应商管理 / SUPPLIER MANAGEMENT


金刚石磨料
Diamond abrasive grit


CBN磨料
CBN abrasive grit



钢材
steel

严格考察供应商资质和供货质量，定期反馈问题，加强沟通。

Strictly investigate the aptitude and quality of all the suppliers, feedback problem regularly and enhance communication.

2. 原材料检测 / RAW MATERIAL INSPECTION

钢材硬度检测

超声波探伤检测

显微镜下精选磨料

振筛机筛选

对采购的钢材胚料进行材质分析确认，对热处理后的基体进行硬度和探伤检验，对磨料进行筛选和强度检验。

Material analysis must be carried out to all the billet steel purchased. Hardness and flaw detection must be carried out after the heat treatment of the body. All the grinding material must be filtered and the hardness must be checked.

3. 生产工序间检验 /INSPECTION OF PRODUCTION PROCESS

普车工序检验

磨床工序检验

数控车工序检验

植砂工序检验

每个生产工序都执行"三检制"原则，即操作员自检、班组长互检、质检员全检，防止任何不合格品流入下道工序。

To ensure no unqualified production goes into the next procedure,tri-inspection system must strictly execute through every production processes, it is operator self-inspection, group leaders mutual inspection, quality inspector complete inspection.

4. 质检中心检验/QUALITY INSPECTION CENTER

三坐标检验

轮廓仪检验

磨料层检验

动平衡检验

一流的加工和检测设备

THE FIRST-CLASS PROCESSING AND INSPECTING EQUIPMENT