



SHARPNESS

湖北玉立砂带集团股份有限公司 2015
HUBEI YULI ABRASIVE BELTS GROUP CO., LTD.
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软体及固结磨具产品

Soft abrasives & bonded abrasives

Introduction of Non-woven abrasives

工业研磨百洁布简介

随着工业技术的高速发展，普通的磨料磨具已远远满足不了市场的需求，新型抛光磨具越来越受用户的青睐。作为清洁、研磨、抛光、拉丝用的无纺布（又称百洁布），因其具有较多独特的性能而渐渐成为磨料磨具家族的生力军。特别近几年，我国不锈钢、铝合金、镁合金等金属制品行业发展迅速，客户对其表面光洁度和装饰纹效果的要求越来越高，而无纺布磨具制品既具有固结磨具的刚性，又具有涂附磨具的可挠性，产品磨削时弹性效果好、自锐性佳，散热快，不易烧伤工件，并能在多次加工后始终保持持久稳定的磨削能力，提供相对一致的处理效果，特别对有些不规则表面的工件加工，其具备目前无可替代的优势，故该产品迅速成为众多行业青睐或首选的研磨、抛光及拉丝工具。

据相关资料统计，欧美发达国家中无纺布类抛光磨具的销量占整个涂附磨具高达30—40%的比例，近几年来，我国无纺布磨具产品市场虽呈快速发展的势头，但目前中国市场这类产品在整个涂附磨具产品中的比例还不足15%，由此可见，发展空间巨大，市场前景很好。

为满足市场的需求，玉立集团2014年新上无纺布磨具项目。该项目主要设备全套欧美引进，仅设备投资达5000多万元，并花巨资一并引进了国际先进的工艺技术，多位国外专家长期跟踪服务，总投资共8000多万元。该设备配置先进，自动化程度高，各种性能属世界一流，而且节能、环保，能生产多种类型完全不同的无纺布磨具产品。

Introduction of Non-woven abrasives

With the rapid development of industrial technology, the common abrasives cannot meet the demands of the market, new type of polishing abrasives is becoming more and more popular with the users. Non-woven abrasives, as used for cleaning, grinding, polishing & wire drawing, have gradually become vital force in the family of abrasives due to the unique performance. In recent years, especially, the stainless steel, aluminum alloy, magnesium alloy and other metal products industry in our country are developing rapidly, the customers' demands for its surface finish and decorative grain effect are higher and higher. Non-woven abrasives both have the rigidity of bonded abrasives and the flexibility of coated abrasives in use. Good flexibility and self-sharpening property, faster heat dissipation and workpiece without being burned easily, also can always maintain consistent finishing effect after long time grinding process, especially for some of the irregular surface of the workpiece processing. Such a kind of abrasives is the first choice when grinding, polishing and wire drawing.

According to related statistics, non-woven abrasives have 30-40% market share in all coated abrasives in western developed countries. In recent years, they are showing a momentum of rapid development in China. However, less than 15% market share are gained for such a kind of abrasives. Therefore, there is much space to develop in China, the market outlook is broad.

In order to meet the demands of market, the project of non-woven abrasives was launched by Yuli Group in 2014. A full set of equipment are introduced from Europe and USA with the investment of more than RMB 50M. In addition, Yuli Group have put large sums to introduce the international advanced technology, a number of experts provide the long-term service. The total investment of this project is more than RMB 80M. With high configuration, high level automation, world-class performance, energy saving & environmental protection, this kind of equipment can produce various kinds of non-woven abrasives.



高档研磨百洁布生产线

High-end Production Line for Non-woven Abrasives

Product storage and safety instruction

●●产品存放及安全使用说明

一、树脂砂轮的搬运和存放

- 1、产品必须有完整的包装，装运时避免碰撞，不得长期裸露受潮，不能与碱类接触；
- 2、整箱产品以平放方式堆放整齐，不能长期斜放和受压，以防变形；
- 3、避免直接接触地面，必须用隔潮木托托地堆放，离地高度10-15厘米为宜，堆放高度不超过一米；
- 4、实行先进先用原则，保证产品的最佳使用期；
- 5、产品存放超过一年应重新检测回转强度和外观后方可使用。

二、使用安装和正常施工

- 1、使用之前检查产品是否存在裂纹、缺口，如有出现则不能使用；
- 2、砂轮安装在砂轮机上使用时，砂轮机必须有完好的防护装置，砂轮中心孔必须与砂轮机轴配套一致，紧固砂轮时松紧度适中，安装时禁止对砂轮敲打；
- 3、砂轮安装完成后需要空转30秒，观察没有异常后再进行使用；
- 4、每片砂轮均标识有最大转速或线速，也就是要求砂轮的使用速度不能超过规定的安全使用线速度；
- 5、使用气动工具装配砂轮施工时，尤其要控制气压，避免转速太高引起砂轮爆裂伤人；
- 6、无论是切割或打磨，使用砂轮要匀力操作，禁止高速转动的砂轮与工件猛烈碰撞，进刀时要匀速，如果遇到工件的接触面积大，散热不良引起卡刀时，应关停砂轮机，重新调整工件切割角度再匀速进刀；
- 7、磨削工件时，锥形砂轮应与被磨物件保持45度倾斜角；
- 8、不要将工件夹叠切割，以免夹件松动导致工件脱落击碎砂轮引起伤人；
- 9、砂轮机的功率决定进刀速度和施工接触面积的大小，如功率不足而强行施工会影响砂轮的使用效果并严重影响砂轮机寿命和使用安全；
- 10、不能用平行切割砂轮的端面进行打磨，以免引起事故伤人；
- 11、各种砂轮均标识有使用对象和安全标识，不能超出砂轮的使用范围施工；
- 12、本公司此产品质量安全由中国人民财产保险公司承担保险。

Product storage and safety instruction

一、Handling and storage of cutting & grinding wheel

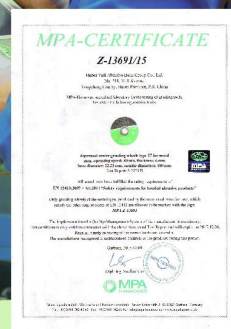
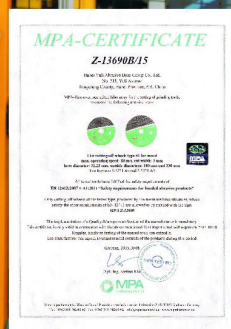
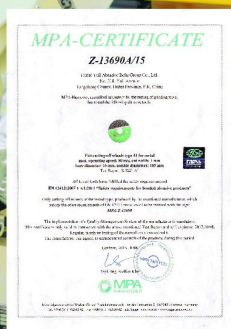
- 1.Complete wrapped required, avoid collisions during shipment, no exposition and damp for a long time, can not touch with alkaline;
2. Neatly stacked in flat way, no wrong handling and compression for a long time to prevent deformation;
3. Avoid contact with ground directly, pile up on wood pallet, the ground height 10 to 15cm advisable, stacking height is less than 1m;
4. implementing the principle of "first come, first use" to ensure the best using period;
5. Products for more than a year should be to detect rotation and appearance before using.

二、Installation and know how

1. Check the product if there is a crack, gap before using, otherwise;
2. While installed on the grinding machine, make sure the grinding machine have a good protective device, the center hole must be consistent with the shaft supporting of grinder, moderate tension when fastening the wheel, avoid knocking on the wheel when installation;
3. Make sure the grinding wheel run 30s after installation, nothing abnormal detected and then to use;
4. Each grinding wheel is identified with maximum speed or rotation speed, which shows the grinding wheel speed can not exceed the prescribed safety speed;
5. Control the pressure while the grinding wheel assembly by pneumatic tools to avoid bursting hurt caused by high speed of grinding wheel;
6. Whether cutting or grinding, even force operation required. Avoid violent collisions between the high-speed rotation of the grinding wheel and workpiece. If there are big workpieces processed, poor heat dissipation may cause the stop of the blade, the grinder should be shut down immediately, the cutting angle should be readjusted and then to feed uniformly;
7. Depressed-center grinding wheel should keep 45 degree angle with the workpieces;
8. Don't cut when several workpieces are clamped together by the tool, avoid being hurt caused by the workpieces loose from the tool and fallen off grinding wheel;
9. Feeding speed and touching area are determined by the power of grinder. If the operator performs by force when the power is not enough, it will not only affect the condition of processing, but also the life of grinder and safety;
10. Cutting face of grinding wheel used is not allowed, accident damage avoid;
11. All kinds of grinding wheel are identified with application and safety instruction, never use out of range;
12. The quality and safety insurance of this kind of product are accepted by PICC.

犀利牌切割片、角磨片系列产品通过德国MPA产品质量认证

MPA Certificate for Cutting Disc & Grinding Wheel



Super five- star product with Sharpness brand

●● 犀利牌特级五星产品

1、角磨片 Grinding wheel

犀利 ϕ 100-230mm 钹形砂轮 (T27型) T27AA24RBF (高等级金属、不锈钢、铸铁磨削)

ϕ 100-230mm Depressed-center grinding wheel (T27 type) T27A24RBF (For metal, stainless steel and cast iron)

产品特点: 极好的耐用度和锋利度, 磨削能力强、使用寿命长

适用范围: 不锈钢、硬质合金等, 焊接前打磨、焊缝打磨、毛刺、除锈、平面磨削、边角打磨等

使用工具: 手提式角磨机

Feature: better durability, sharp, strong grinding ability, long lifetime.

Application: grinding of stainless steel and hard alloy before welding, deburring, rust removal, both can be used for level and angle grinding.

Matched tool: portable grinder.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 (片/件) PACKING
27A100X4X16	4X5/32X5/8"	24	N	72	13700	300
27A100X6X16	4X1/4X5/8"	24	N	72	13700	200
27A115X6X22.2	4 1/2 X1/4X7/8"	24	N	72	13300	200
27A125X6X22.2	5X1/4X7/8"	24	N	72	11000	100
27A150X6X22.2	6X1/4X7/8"	24	N	72	9100	100
27A180X6X22.2	7X1/4X7/8"	24	N	72	7600	50
27A230X6X22.2	9X1/4X7/8"	24	N	72	6600	50



2、大切割片 Big-size Cutting wheel

犀利 ϕ 300-405mm 切割砂轮 (T41型) T41AA 30 R BF (高等级金属、不锈钢、铸铁切割、硬度较高的难磨材料)

ϕ 300-405mm cutting wheel (T41 type) T41AA30RBF (For metal, stainless steel and some materials with higher hardness)

产品特点: 极好的耐用度和锋利度, 快速切割, 极高性能

适用范围: 合金钢及所有金属和不锈钢切割

使用工具: 适合3千瓦以上的电动工具

Feature: better durability, sharp grinding, cutting fast;

Application: alloy steel, all metals & stainless steel.

Matched tool: up to 3KW power tools.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
41A300X3.2X25.4	12X1/8X1"	30	R	72-80	4600-5100	25
41A300X3.2X32	12X1/8X1 1/4"	30	R	72-80	4600-5100	25
41A350X3.2X25.4	14X1/8X1"	30	R	72-80	3900-4400	25
41A355X3.2X25.4	14X1/8X1"	30	R	72-80	3900-4400	25
41A350X3.2X32	14X1/8X1 1/4"	30	R	72-80	3900-4400	25
41A405X3.2X32	16X1/8X1 1/4"	30	R	72-80	3400-3800	25
41A400X3.2X32	16X1/8X1 1/4"	30	R	72-80	3400-3800	25



3、超薄片 Ultra-thin cutting disc

犀利 ϕ 100-180mm 超薄型切割砂轮 (T41型) T41A 60TBF/A46TBF (金属切割/不锈钢切割)

ϕ 100-180mm Ultra-thin cutting disc (T41 type) T41A60TBF/A46TBF (For metal & stainless steel)

产品特点: 极好的耐用度和锋利度, 快速切割, 极高性能

适用范围: 专用不锈钢切割

使用工具: 手提式角磨机

Feature: better durability, sharp grinding, cutting fast;

Application: only for stainless steel.

Matched tool: portable grinder.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
41A105X1.2X16	4 1/8 X3/64X5/8"	60	T	80	14500	800
41A115X1.2X16	4 1/8 X3/64X5/8"	60	T	80	14500	600
41A125X1.2X16	5X3/64X5/8"	60	T	72-80	11000-12200	600
41A150X1.2X16	6X3/64X5/8"	60	T	72-80	9100-10200	500
41A180X1.2X16	7X3/64X5/8"	60	T	72-80	7600-8500	300



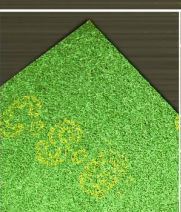
Non-woven abrasives

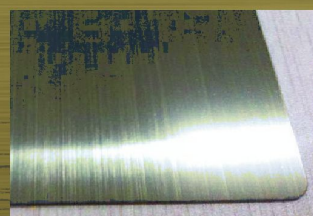
无纺布系列产品

1、7801

该产品弹性好、防堵塞和散热性能优异。主要适用于金属、不锈钢表面的拉丝、除锈，也可用于对复杂型面进行抛光、去毛刺。

Good elasticity, outstanding anti-clogging and heat dissipation performance. Mainly used for wiredrawing and rust removal of metal and stainless steel, also for polishing and deburring of complex surface.

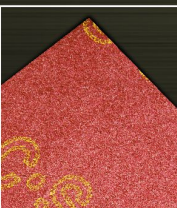
	型 号 Model	结 构 Structure			粒度范围 Grit range
	7801	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P180
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●	●	



2、7802

此产品弹性及柔软性好、防堵塞和散热性能优异。主要适用于木器、家俱表面的装饰纹路调和以及去除线条毛刺，也可用于金属表面的清洁处理和去除表面氧化层。

Good elasticity & flexibility, outstanding anti-clogging and heat dissipation performance. Mainly used for lines processing and deburring of woodware and furniture, also for finishing and oxide layer removing of metals.

	型 号 Model		结 构 Structure				粒度范围 Grit range
	7802	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness			
		无纺布 Non-woven	950mm	良好 Good			
	形 状 Shape						P180
	页状 Sheet		带状 Belt	卷状 Roll	圆盘 Disc		
	●			●			



3、7802-F

适合做成拉绒产品、配合各种研磨工具、对各种规则及复杂型面的电子产品及软金属产品去毛刺及表面抛光处理。

Matched with various kinds of grinders, suitable for surface conditioning and polishing of normal and complex shape of electronics and soft metals in form of velcro discs.

	型 号 Model	结 构 Structure			粒度范围 Grit range
	7802-F	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P400— P1200
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●	●	



4、7803/7803-R

弹性及挺度较好、磨削锋利、同步性能极佳、寿命长。该产品主要用于加工成各种不同规格的拉丝轮或辊刷对不锈钢或金属表面进行拉丝处理，如不锈钢水槽、抽油烟机、电梯门板等不锈钢制品的表面拉丝处理，拉丝纹路均匀一致，效果好。

Better elasticity and stiffness, sharp grinding, good synchronization performance and long lifetime. Mainly used for surface conditioning of stainless steel or metals in form of various kinds of drawing wheel or brush roll. Good result is available while processing of the materials, such as stainless steel sink, kitchen ventilator, the door of elevator, etc.

	型 号 Model		结 构 Structure				粒度范围 Grit range
	7803 7803-R	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness			
		无纺布 Non-woven	1550mm	良好 Good			
	形 状 Shape						P60—80
	页状 Sheet		带状 Belt	卷状 Roll	圆盘 Disc		
	●			●			



5、7805

适合木材、塑料及合成材料的精密抛光和清洁。

Suitable for precision polishing and cleaning of wood,plastic and synthetic materials.

	型 号 Model	结 构 Structure			粒度范围 Grit range
	7805	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P1000
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●		



6、7806

弹性好、防堵塞性能佳、主要用于家具去毛刺及边角处理。

Good elasticity and good anti-clogging performance.Mainly used for deburring and processing the edge side of furnitures.

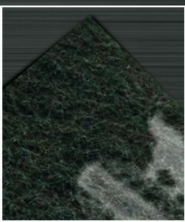
	型 号 Model	结 构 Structure			粒度范围 Grit range
	7806	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P600
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●		



7、7806-B

主要用于木器行业的去毛刺以及木线条的调和。

Mainly used for lines processing and deburring of woodware.

	型 号 Model	结 构 Structure			粒度范围 Grit range
	7806-B	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P400
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●		



8、7807

弹性及防堵塞性好、主要用于各种漆面处理。

Good elasticity and good anti-clogging performance.Mainly used for processing of varnish.

	型 号 Model	结 构 Structure			粒度范围 Grit range
	7807	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P800
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●		

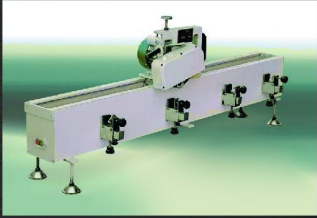


9、无纺布砂带 Non-woven abrasive belt

此产品弹性研磨效果极佳，延伸率小，防堵塞、散热性优异，转换成环带，表面加工纹路均匀。主要用于精密不锈钢制品，例如压力容器、气轮机叶片等的精密研磨。

Good grinding performance,low extension,good anti-clogging,outstanding heat dissipation and good processing result while being converted into abrasive belt.Mainly used for precision grinding of stainless steel,such as pressure vessel and steam turbine blade,etc.

	型 号 Model	结 构 Structure			粒度范围 Grit range
	无纺布砂带 Non-woven abrasive belt	基体 Backing	最大幅宽 Max.Width	耐水性 Waterproofness	
		无纺布 Non-woven	950mm	良好 Good	
	形 状 Shape				P60-P400
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
		●	●		



High-grade four-star product with Sharpness brand

●● 犀利牌高档四星产品

1、角磨片 Grinding wheel

犀利 ϕ 100-230mm 锥形砂轮 (T27型) T27A24QBF (高等级金属、不锈钢、铸铁磨削)
 ϕ 100-230mm Depressed-center grinding wheel (T27 type) T27A24QBF (For metal, stainless steel and cast iron)

产品特点: 优良的耐用度和锋利度, 磨削能力强、使用寿命长、手感好

适用范围: 不锈钢、硬质合金等, 用于焊接前打磨、焊缝打磨、去毛刺、除锈、平面磨削、边角打磨等

使用工具: 手提式角磨机

Feature: better durability, sharp, strong grinding ability, long lifetime, good handfeeling.

Application: grinding of stainless steel and hard alloy before welding, deburring, rust removal, both can be used for level and angle grinding.

Matched tool: portable grinder.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 (片/件) PACKING
27A100X4X16	4X5/32X5/8"	24	Q	72	13700	300
27A100X6X16	4X1/4X5/8"	24	Q	72	13700	200
27A115X6X22.2	4 1/2 X1/4X7/8"	24	Q	72	13300	200
27A125X6X22.2	5X1/4X7/8"	24	Q	72	11000	100
27A150X6X22.2	6X1/4X7/8"	24	Q	72	9100	100
27A180X6X22.2	7X1/4X7/8"	24	Q	72	7600	50
27A230X6X22.2	9X1/4X7/8"	24	Q	72	6600	50



2、大切切片 Big-size Cutting wheel

犀利 ϕ 300-405mm 切割砂轮 (T41型) T41A 30 Q BF (高等级金属、不锈钢、铸铁切割、硬度较高的难切材料)
 ϕ 300-405mm cutting wheel (T41 type) T41A30QBF (For metal, stainless steel and some materials with higher hardness)

产品特点: 优良的耐用度和锋利度, 快速切割, 性能高

适用范围: 所有金属/不锈钢切割

使用工具: 适合3千瓦以上的电动工具

Feature: better durability, sharp grinding, cutting fast;

Application: cutting for all metals & stainless steel.

Matched tool: up to 3KW power tools.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
41A300X3.2X25.4	12X1/8X1"	30	Q	72-80	4600-5100	25
41A300X3.2X32	12X1/8X1 1/4"	30	Q	72-80	4600-5100	25
41A350X3.2X25.4	14X1/8X1"	30	Q	72-80	3900-4400	25
41A350X3.2X32	14X1/8X1 1/4"	30	Q	72-80	3900-4400	25
41A405X3.2X32	16X1/8X1 1/4"	30	Q	72-80	3400-3800	25
41A400X3.2X32	16X1/8X1 1/4"	30	Q	72-80	3400-3800	25



3、超薄片 Ultra-thin cutting disc

犀利 ϕ 100-180mm 超薄型切割砂轮 (T41型) T41A 60TBF/A46TBF (金属切割/不锈钢切割)
 ϕ 100-180mm Ultra-thin cutting disc (T41 type) T41A60TBF/A46TBF (For metal & stainless steel)

产品特点: 优良的耐用度和锋利度, 快速切割, 性能高

适用范围: 专用不锈钢切割

使用工具: 手提式角磨机

Feature: better durability, sharp grinding, cutting fast;

Application: cutting for stainless steel.

Matched tool: portable grinder.



规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
41A105X1.2X16	4 1/4 X3/64X5/8"	60	T	80	14500	800
41A115X1.2X22.2	4 1/2 X3/64X7/8"	60	T	80	14500	600
41A125X1.2X22.2	5X3/64X7/8"	60	T	72-80	11000-12200	600
41A150X1.2X22.2	6X3/64X7/8"	60	T	72-80	9100-10200	500
41A180X1.2X22.2	7X3/64X7/8"	60	T	72-80	7600-8500	300



Premium three- star product with Sharpness brand

犀利牌优质三星产品

1、角磨片 Grinding wheel

犀利 ϕ 100-230mm 锥形砂轮 (T27型) T27A24QBF (金属、不锈钢、铸铁磨削)
 ϕ 100-230mm Depressed-center grinding wheel (T27 type) T27A24QBF (For metal, stainless steel and cast iron)

产品特点: 良好的耐用度和锋利度, 磨削能力强、使用寿命长、经济实用、手感好
适用范围: 普通金属, 焊接前打磨、焊缝打磨、去毛刺、除锈、平面磨削、边角打磨等
使用工具: 手提式角磨机

Feature: better durability, sharp grinding, long lifetime, economic and practical, good handfeeling.
Application: grinding of normal metal before welding, deburring, rust removal, both can be used for level and angle grinding.
Matched tool: portable grinder.

	规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 (片/件) PACKING
	27A100X4X16	4X5/32X5/8"	24	Q	72	13700	300
	27A100X6X16	4X1/4X5/8"	24	Q	72	13700	200
	27A115X6X22.2	4 1/2 X1/4X7/8"	24	Q	72	13300	200
	27A125X6X22.2	5X1/4X7/8"	24	Q	72	11000	100
	27A150X6X22.2	6X1/4X7/8"	24	Q	72	9100	100
	27A180X6X22.2	7X1/4X7/8"	24	Q	72	7600	50
	27A230X6X22.2	9X1/4X7/8"	24	Q	72	6600	50



2、大切割片 Big-size Cutting wheel

犀利 ϕ 300-405mm 切割砂轮 (T41型) T41A 30 Q BF (金属切割/不锈钢切割)
 ϕ 300-405mm cutting wheel (T41 type) T41A30QBF (For metal & stainless steel)

产品特点: 良好的耐用度和锋利度, 快速切割, 性能好
适用范围: 所有金属切割
使用工具: 适合3千瓦以上的电动工具

Feature: better durability, sharp grinding, cutting fast;
Application: cutting for all metals.
Matched tool: up to 3KW power tools.

	规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
	41A300X3.2X25.4	12X1/8X1"	30	Q	72	4600	25
	41A350X3.2X25.4	14X1/8X1"	30	Q	72	3900	25
	41A355X3.2X25.4	14X1/8X1"	30	Q	72	3900	25
	41A350X3.2X32	14X1/8X1 1/4"	30	Q	72	3900	25
	41A405X3.2X32	16X1/8X1 1/4"	30	Q	72	3400	25
	41A400X3.2X32	16X1/8X1 1/4"	30	Q	72	3400	25



3、超薄片 Ultra-thin cutting disc

犀利 ϕ 100-180mm 超薄型切割砂轮 (T41型) T41A 60TBF/A46TBF (金属切割/不锈钢切割)
 ϕ 100-180mm Ultra-thin cutting disc (T41 type) T41A60TBF/A46TBF (For metal & stainless steel)

产品特点: 良好的耐用度和锋利度, 快速切割, 性能好
适用范围: 所有金属/不锈钢切割
使用工具: 手提式角磨机

Feature: better durability, sharp grinding, cutting fast;
Application: cutting for all metals.
Matched tool: portable grinder.

	规格 (公制mm) DxHxd	规格 (英制inches) DxHxd	粒度 GRIT	硬度 HARDNESS	速度 Speed m/s	速度 Speed r.p.m	包装 PACKING
	41A105X1.2X16	4 1/2 X3/64X5/8"	60	T	80	14500	800
	41A115X1.2X22.2	4 1/2 X3/64X7/8"	60	T	80	14500	600
	41A125X1.2X22.2	5X3/64X7/8"	60	T	72-80	11000-12200	600
	41A150X1.2X22.2	6X3/64X7/8"	60	T	72-80	9100-10200	500
	41A180X1.2X22.2	7X3/64X7/8"	60	T	72-80	7600-8500	300



Introduction of nylon fiber grinding wheel

●● 尼龙纤维研磨轮简介

尼龙纤维研磨轮又称不织布抛光轮，是继砂带、砂轮等强切削研磨产品之后的软体研磨产品。

我公司花巨资从欧洲全套引进的先进设备，生产的该研磨轮纤维棉均匀度好，蓬松度和弹性也非常优良，这是生产高品质尼龙纤维研磨轮的重要基础。凭借公司独具实力的研发平台，我们生产的该产品与国内同类产品相比，不仅质量更为稳定，而且产品价格也具有一定优势，通过各种测试和用户反馈，在高速抛光机上使用不烧伤工件、不发黑，切削力强、锋利耐用。目前我们的尼龙纤维研磨轮产品共有八十余个不同规格、粒度和P数的品种，其粒度范围为1500#~40#，常规型号有：8"×1"、8"×2"、10"×1"、10"×2"、12"×1"、12"×2"、14"×2"、16"×2"等，常用P数有：2P-9P以及12P、15P等。同时我们还可以根据客户的需求，订做不同粒度、不同规格、不同用途的各种尼龙纤维研磨轮产品。

尼龙纤维研磨轮的应用十分广泛，金属领域主要用于加工不锈钢、铝合金、铜、钛合金、铸铁、碳素钢等等，比如不锈钢刀具、保温杯、自行车车架车圈，笔记本电脑、相机、手机等数码产品外壳，五金卫浴产品、金属医疗器械、汽车轮毂等等；在漆面处理领域，主要有电镀扫纹和对木制品、门业的表面处理；其它在石材、陶瓷行业的应用也非常广泛。

Introduction of nylon fiber grinding wheel

Also named as nonwoven polishing wheel, nylon fiber grinding wheel is developed as one of soft abrasives with the characteristics of strong cutting performance after abrasive belt and grinding wheel.

Our company spent plenty of money to introduce a full set of advanced equipment from Europe. The grinding wheel produced are characteristics of good evenness, high loft and good flexibility, which are important foundations for production of high-quality nylon fiber grinding wheel. Relying on the strength of R&D platform in our company, the quality of the products are not only more stable, but also more advantage in price, compared with similar products in domestic market. According to various tests and feedback from users, this kind of products don't burn the workpieces with non-black surface, strong cutting force, sharp and durable performance while used in high-speed polishing machines. So far, nylon fibre grinding wheel products are available with more than eighty varieties of different specifications, sizes and tightness by P. The grit size range is 1500 # - 40#, the conventional models are as follows: 8"×1", 8"×2", 10"×1", 10"×2", 12"×1", 12"×2", 14"×2", 16"×2" etc. The common tightness is 2 P - 9P and 12P, 15 P, etc. Meanwhile, we can also produce all kinds of nylon fibre grinding wheel products with customized sizes, specifications & usages according to customers' requirements.

The application of these nylon fiber grinding wheel is widespread. In metal area, it is mainly used for processing of stainless steel, aluminum alloy, copper, titanium alloy, cast iron, carbon steel, etc., such as stainless steel knives, vacuum cup, bicycle frame, laptop computers, cameras, mobile phones and other digital products shell, hardware sanitary ware products, metal, medical equipment, automobile wheel hub and so on; In the field of surface treatment, it is used for electroplating, sweeping lines, wood, & door. Other applications, such as in stone, ceramic industry, are also wide.



高档无纺布基布生产线

High-end Production Line for Non-woven Backing

Grinding wheel

●● 尼龙纤维研磨轮产品系列



直径 Diameter	2.5CM—40CM (1"—16")
厚度 Thickness	0.5CM—10CM (0.2"—4")
硬度 Hardness	2P—20P
粒度 Grit size	60#—1500#
内孔 Inner bore	各种大小圆孔/六角孔/方孔/叉孔/特殊要求等 Various kinds of circular hole,hexagon hole,square hole and special requirement.
颜色 color	灰色/红色/绿色/白色/棕红色/黑色/咖啡色等 Gray,red,green,white,brown red,black,brown,etc.



产品应用 Application

金属：不锈钢、铝合金、铜、钛合金、铸铁、碳钢等的表面处理。

Metal: stainless steel, aluminum alloy, copper, titanium alloy, cast iron, carbon steel;

漆面：电镀扫纹。

Varnish: electroplating,sweeping lines;

木器：表面处理。

Woodware:surface processing;

石材：各种石材的表面处理。

Stone:surface processing for various kinds of stone.

无纺布拉丝轮产品系列 Wiredrawing wheel



直径 Diameter	φ 100mm、φ 150mm、φ 200mm、φ 300mm、
长度 Size	125mm、200mm、300mm、1300mm、
粒度 Grit size	60#、80#、120#、180#
内孔 Inner bore	φ 19mm、φ 25mm、φ 50mm、φ 76mm、

产品应用 Application

板材：各种人造板材的磨削和抛光。

金属：表面拉丝及去除氧化层处理。如抽油烟机、不锈钢水槽、电梯门板、烧烤炉、厨具等不锈钢制品的表面拉丝、焊接/划伤修复、毛刺去除、线纹修补等。

Board: grinding and polishing of various kinds of man-made boards.

Metal: wiredrawing and oxide layer removing,such as stainless steel sink,kitchen ventilator,the door of elevator,oven,kitchen ware,etc.



Introduction of High-end cutting & grinding wheel

●● 高档树脂砂轮简介

玉立集团高档树脂砂轮切割片项目是公司转型升级，实现本世纪第二个十年规划目标的重要项目。该项目总投资6000多万元，从欧洲引进世界行业先进水平的全套高端生产设备及相关生产工艺，并从日本采购配套的各款机器人，从配料生产再到检测、包装，实现一条龙全自动化。生产线按照“环保、节能、减排、智能、美观”的高端设计理念建造而成，其性能先进、稳定，自动化程度高，主要优势表现在全电脑控制，包括配料、输送、检测调节上料、分选不良品、检测质量平衡与厚度、固化、包装等均为自动化完成，大大降低了劳务成本，同时更提高了产品的生产效率与品质稳定性，特别产品使用中的安全性能也得到了可靠保障，产品回转速度比国内设备生产的产品可高出20%以上。

目前，玉立集团生产的纤维增强树脂切割砂轮有优质三星、高档四星和特级五星三个档次，优质三星主要以民用市场及普通工业市场为主要使用对象，高档四星以中高端市场为使用对象，特级五星则以出口及定向切割材质为主要对象。以上产品广泛应用于国民经济的各个领域，像汽车、铁路、造船、钢铁、航空航天、军工、工具、建筑、家用电器等等。随着制造业的发展，磨削工艺和磨具的应用将进一步扩大，发展和提升树脂结合剂砂轮产品，将带领加工技术跃上一个新台阶。

Introduction of High-end cutting & grinding wheel

High-end cutting wheel & grinding wheel is an important project for Yuli Group to achieve transformation and upgrading, and realize the goal of 2nd decade of planning. Invested more than RMB 60M to introduce a full set of high-end production equipment and related technology from Europe, and matched robots from Japan, Yuli Group are able to carry out the production automatically from mixing, inspection and packing. Based on the design philosophy of "environmental protection, energy saving, emission reduction, intelligence and beauty", the production line is characterized by its advanced performance, stability & high level automation. Main advantages are: PC controlled, including the mixing, transportation, inspection & adjustment, sorting defective products, checking balance and thickness, curing & packing automatically. Such a kind of production line not only greatly reduces the labor cost, but also improves the production efficiency and ensures the quality stability, especially safety performance guaranteed. The rotation speed is higher up to 20% than that of products in domestic market.

So far, there are three different levels of the reinforced resin cutting & grinding wheel produced by Yuli Group, such as premium three-star, high-grade four-star and super five-star. The product of premium three-star is mainly designed for household market and general industrial market. The product of high-grade four-star is for medium and high-grade market. The product of super five-star is focusing on export business and oriented cutting material as the main object. Those above products are widely applied in many fields, such as automobile, railway, shipbuilding, steel, aerospace, military industry, tools, construction, household appliances, etc. With the development of manufacturing industry, the application of grinding tool will expand to other fields in future. Developing and innovation of the grinding wheel products will pave the way toward creating new level of processing technology.



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