

Deburring · 去毛刺

Rounding · 倒圆角

Grinding · 打磨

Polishing · 抛光

金属表面研磨处理专家



地址: 江苏省苏州市工业园区宏业路168号D栋西
联系人邮箱: ZHOU-WJ@SZ-SHINETEK.CN
电话: 18168576687
传真: 0512-62838455
网址: [HTTP://WWW.SZ-SHINETEK.COM](http://www.sz-shinetek.com)

ADD: WEST OF BUILDING D, NO. 168 HONGYE ROAD,
SIP, SUZHOU, JIANGSU, CHINA.
E-MAIL: ZHOU-WJ@SZ-SHINETEK.CN
TEL: 18168576687
FAX: 0512-62838455
WEB: [HTTP://WWW.SZ-SHINETEK.COM](http://www.sz-shinetek.com)

研磨处理专家

理面俱道
光添彩

CONTENTS

目录



Part.1

ABOUT
SHINETEK

关于铨道

01-10



Part.2

MODULAR
DEVELOPMENT

模块化开发

11-12



Part.3

SELECTION INDEX

选型索引

13-14



Part.4

BASIC
FEATURES
AND MODELS

基础功能和型号

根据实际页码修改



Part.6

WORKSTATIONS
AND
CUSTOMIZED
PRODUCTS

工作站及定制化产品

根据实际页码修改



Part.5

COMPOSITE
FEATURES
AND MODELS

复合功能和型号

根据实际页码修改



苏州锺道研磨技术有限公司于2013年注册成立，专注于研磨自动化、智能化的技术开发和应用，着力解决金属加工行业的后道研磨工序现存的劳动力密集、低效低质、污染环境、重劳动强度等问题，为企业大幅提高生产效率和产品品质、降低制造成本、保护公共环境、降低员工劳动强度。

2012年即与国内多所高校合作柔性研磨技术的研究，现有机电、电气、软件、材料等研发工程师数十人，潜心于研磨材料、研磨工艺、运动控制等方面的研究与开发，率先开发了智能研磨补偿技术、自清洁技术、智能力控系统，并且每年都获得多项国家发明专利及实用新型专利。多项研磨产品填补国内空白，不仅性能完全可以和欧美同类产品媲美，而且有多项创新技术，领先同行。

2014年国内首推去毛刺倒角研磨机TK和PS系列；创新解决了型材切割及金属激光切割、转塔冲、等离子切割、模具冲压等加工后去毛刺、倒圆角的工艺问题。经过多年的发展，锺道逐步推出了B、R、S、T、K、H、C、P、L、F、G等功能模块系列标准产品，功能涵盖去毛刺、去熔渣、去氧化层、拉丝、抛光、定厚研磨、超精密研磨、焊缝打磨等，满足了航空航天、轨道交通、电子通讯、医疗器械、工程机械、装备制造等各行各业的各类打磨需求。

我们不仅在各种通用的研磨标准单机产品上持续研发，还开发了机器人打磨工作站、自动打磨流水线等多项高难度、高集成的产品，满足了客户对高效、高质、自动、智能研磨的需求。

我们拥有先进的制造设备及专业、高效的生产运营管理团队，严格遵循ISO9001质量管理体系，以“专注过程，乐享渠成”的企业精神，为客户打造精品，为员工创造未来，为社会建造平台，竭力为顾客提供一流的产品和服务，为客户“锺”光添彩，面面俱“道”！

Suzhou Shinetek Grinding Technology Co., Ltd. was established in 2013, focusing on the development and application of automatic and intelligent grinding technology, aiming to address the labor-intensive, inefficient, low-quality, environmental pollution and heavy workload issues in the subsequent grinding processes of the metal processing industry. This is to significantly improve the production efficiency and product quality of enterprises, reduce manufacturing costs, protect the environment and alleviate their personnel work intensity.

In 2012, we have cooperated with some colleges and universities in studying flexible grinding technology. Now we have dozens of R&D engineers that come from fields of mechanical, electrical, software, material, etc., enable us to dedicated to the research and development of grinding materials, processes, and motion control. We have taken the lead in developing intelligent grinding compensation technology, self-cleaning technology and smart force control system, consequently, obtained multiple national invention patents and utility model patents every year. Several our products have filled the domestic gap, and have not only comparable performance as foreign products from Europe and America, but also master multiple innovative technologies, leading the industry.

In 2014, we released grinding machine with deburring and rounding functions for the first time, Including TK series and PS series, which solved the process issues of removal of burr and edge rounding after profile cutting, laser cutting, NCT, plasma cutting and die stamping. After years of development, We have gradually launched a series of standard products which incorporate different combination of function modules including B, R, S, T, K, H, C, P, L, F and G. These modules stand for functions of removing burr / slag / oxide layer, brushing, polishing, grinding to preset thickness, ultra precision grinding, welding seam grinding, etc., and meet the diverse needs of different industries like aviation, rail transit, electronic communication, medical devices, construction machinery and equipment manufacturing.

We continuously work on product development not only for standard grinding machine of general purpose, but also for tailored robotic grinding station and automatic grinding production line of specific scenarios. These tailored products feature in high difficulty and high integration, satisfying the customer grinding demands in efficiency, high quality, automation and smart.

We have both advanced equipment and professional operation team, strictly adhere to the ISO9001 quality management system. Our corporate spirit is 'Focusing on the process, enjoying the results', striving to provide first-class products and services for customers, to achieve 'comprehensive service, lustrous results'.

DEVELOPMENT COURSE 发展历程

● **2024年**

多元集团化发展，
扬帆启航

● **2022年**

数字化生产基地建成

● **2020年**

获得苏州市
精密研磨工程
技术中心

● **2018年**

多款产品
填补国内空白

● **2014年**

3月深圳机械展发布国内
首台平面去毛刺机



ABOUT SHINETEK

Part.1 关于锺道

CORE PATENTED
TECHNOLOGY
核心专利技术

智能力控系统



磨料自动补偿技术



自清洁技术



智能操作系统

ECO

能效系统



至2023年底
获得发明专利12项，实用新型专利近100项



CERTIFICATE

强大的研发能力

20多人研发团队，持续为满足客户需求



单品到系统

工序自动化装备，数字化管理系统；软、硬兼施，不仅授之以鱼更是授之以渔。



钣金柔性制造基地

自由钣金柔性生产线，TQM全程质量把控



优质备品备件

持续为客户提供完整的备品备件服务，质优价廉。



一体化装配生产线

6条现代化装配生产线，成熟的装配团队，先进的快速配料系统，完善的过程管理体系，确保成品品质的可靠及稳定。



全程一站式服务

从设计-制造-安装-保养-维修-备件等，提供全套一站式服务体验



OUR
ADVANTAGE
我们的优势



ADVANTAGE



柔性钣金生产线



装配单元



空中花园



打样测试区



研发实验室



开放办公区

ENVIRONMENTAL
DISPLAY
环境展示



CUSTOMER PRESENTATION 客户展示

我们得到了国内外广大知名客户的认可：

We have received recognition from many well-known customers both at home and abroad, they are (sorted by industry):

- 重工机械：三一、中联、徐工、太重、柳工、龙工
- 航天航空：中国航天、中航发、
- 轨道交通：比亚迪、今创集团、威奥集团、中国中车
- 高端厨电：方太、亿田、帅丰、潮邦、万事兴
- 包装医疗：楚天科技、新美星、杭州永创
- 驻华外企：马士基、布勒机械、
- 通信电子：富士康、科森科技、立讯精密、中山悦驰、广东天诺

同时出口到：美国、德国、捷克、俄罗斯、韩国、马来西亚、澳大利亚、乌克兰等地

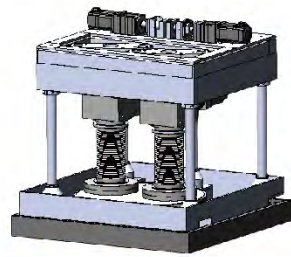
We also exported to: USA, Germany, Czech Republic, Russia, Korea, Malaysia, Australia, Ukraine



各模块可以自由组合
满足各类平面研磨需求

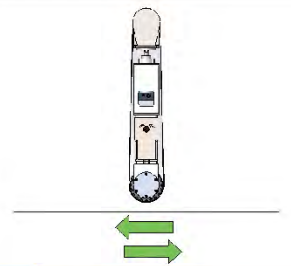
MODULAR DEVELOPMENT

Part.2 模块化开发



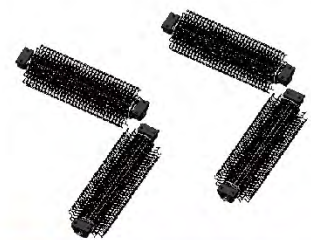
G 精密抛光
Precision polishing

硅片研磨抛光
Silicon wafer grinding
and polishing



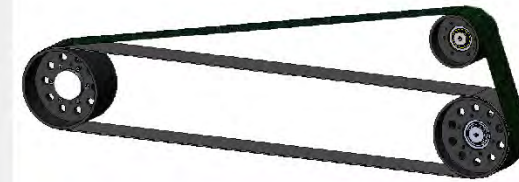
F 定厚研磨
Preset thickness
grinding

精密定厚研磨
Precision thickness grinding



C 切割面去氧化
Cross section oxide
layer removing

热熔切割面的氧化皮清除
Removing oxide layer of
heat cutting



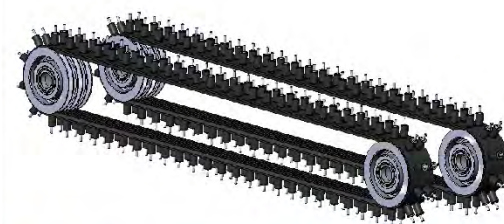
T 三角砂带
Triangular sanding belt

激光大熔渣清除
Removal of large slag after laser cutting



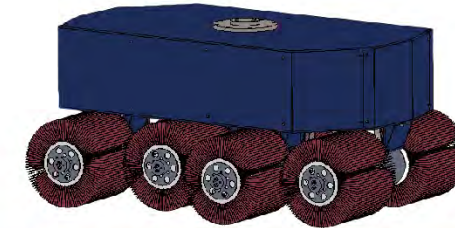
L 宽幅砂带
Hair-line

刻长丝
Create long straight line



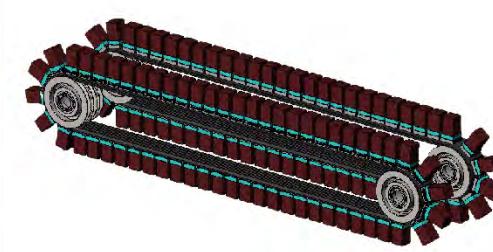
S 清渣锤
Slag cleaning hammer

预清理敲击大割渣
Cleaning large cutting slag in advance



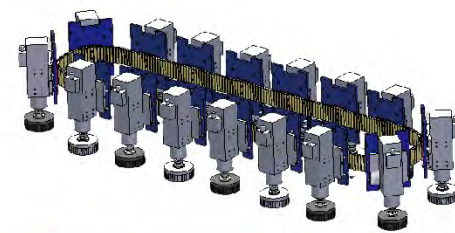
R 万向滚刷
Rolling brush

均匀倒圆角
Rounding the edge uniformly



K 砂块
Block-shaped brush

倒圆角
Rounding the edge



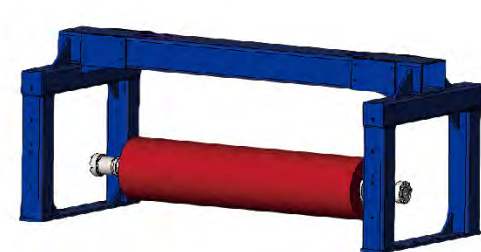
D 碟刷
Disc brush

倒钝、抛纹
Edge blunting, pattern polishing



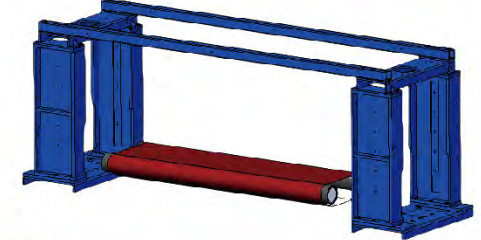
B 宽幅砂带
Wide-width sanding belt

拉短丝、表面砂光
Surface brushing and sanding



P 抛光辊
Polishing

表面抛光
Surface polishing



H 抛纹
Harmonious pattern polishing

抛乱纹
Special irregular pattern polishing

MODEL SELECTION INDEX LIST

PART.3 选型索引列表



APPLICATIONS 基本应用	STATION 模块	SERIES 机型系列	ADVANTAGES 优势
激光切割、冲床、 剪切类去熔渣、 去毛刺、拉丝、倒圆角 Removing slags and burrs generated in laser cutting, punching and shearing. Performing surface brushing and edge rounding.	T	TK、TR、TBR、DTK、STK、SDTK	擅长去除大熔渣 Large slag removal
	K	K2、TK、DTK、STK、SDTK	倒圆角 Edge rounding
	B	BR、B、BBR、BRB、BRBP	去除较小熔渣，可拉丝 Small slag removal, surface brushing
	R	R、BR、BRB、BBR、BRBP	均匀倒圆角 Rounding edge uniformly
等离子、火焰切割清除割渣、 倒圆角 Knocking off slags generated in palsma or flame cutting. Rounding the edges.	S	STK、SDTK	大割渣预敲击清除 Knocking off large slag in advance
激光、等离子、 火焰切割面去氧化皮 Removing cross section oxide layer of laser, plasma or flame cutting	C	C、SDTK+C	去除切割面氧化皮 emoving cross section oxide layer

APPLICATIONS 基本应用	STATION 模块	SERIES 机型系列	ADVANTAGES 优势
表面拉丝、抛光、抛乱纹 Surface brushing, polishing, irregular pattern polishing	B	B、BP、BLP、 可选W (湿式) (W) wet style optional	短丝/长丝 Creating short or long stright line
	L	BLP、B2L、 可选W (湿式) (W) wet style optional	长直丝 Hair-line
	P	BP、BLP、 可选W (湿式) (W) wet style optional	抛光 Polishing
	D	D、DP、 可选W (湿式) (W) wet style optional	抛光/去毛刺 Polishing/Deburring
	H	H2、H3、DH2、H2R	抛乱纹 Special irregular pattern polishing
精密定厚研磨 Precision thickness grinding	F	F	厚度精密控制 Precision thickness control
硅片精密研磨抛光 Silicon wafer precision grinding and polishing	G	G	超硬表面精密研磨 Precision grinding of superhard surfaces
APPLICATIONS 基本应用	STATION 模块	ADVANTAGES 优势	
焊缝打磨 \ 压铸件去飞边浇口 \ 非标打磨 Welding seam polishing; Removing flash and gate for die cast parts; Non-standard grinding	打磨工作站 Grinding work station	自研力控系统 10年研究打磨工艺 Independently developed force control system 10 years of research on polishing technology	
自动搬运、上料、码垛 Automatic handling, feeding, stacking	机器人上下料工作站 Robotic feeding and receiving work station	自动识别工件 整线联控 精确码垛 Automatic recognition of workpieces Integrated control of the entire line Accurate stacking	

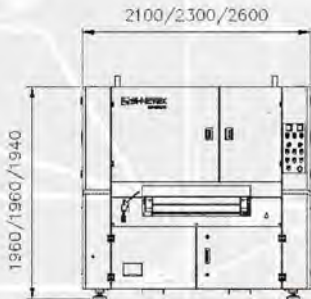
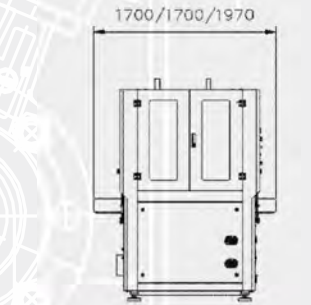
TK SERIES 系列

自动砂带砂块去毛刺机

SANDING BELT, BLOCK-SHAPED SANDING BRUSH DEBURRING MACHINE

激光大熔渣去除, 变形多孔工件去毛刺倒圆角
Removal of large slags of laser cutting, deburring and rounding for workpiece with multiple holes and is deformed.

外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

三角砂带T+砂块机构K组合
Combination of triangular sanding belt (T)+block-shaped sanding brush (K)

输送及固定方式 | Conveying And Fixing

- 1 压辊夹持, 带式输送
Belt conveying, press rollers fixation.
- 2 钢板可选用MTK, 输送带+磁力固定
MTK is optional for CS plate, conveying belt+magnetic fixation

加工效果 | Processing Result

表面长直丝纹, 轮廓圆润光滑
Round and smooth contour, long straight line pattern surface

功能特点 | Features

- 1 去除轮廓边缘熔渣、软硬毛刺
Remove slags, soft and hard burrs from contour edges
- 2 内外轮廓倒圆角
Internal and external contour rounding
- 3 工艺参数记忆
Memory of process parameters
- 4 智能维护保养提示
Intelligent maintenance reminding
- 5 砂带动态平衡系统
Dynamic balance system of sanding belt
- 6 智能感知保护
Intelligent perception protection
- 7 磨料自动补偿 (选配)
Automatic compensation of abrasive(optional)
- 8 磨料更换提醒 (选配)
Abrasive replacement reminding(optional)

技术参数 | Technical Parameters

工作台宽度 Working Width	800mm/1000mm/1300mm	
加工厚度 Working Thickness	无磁力 No Magnetic	0.5-100mm
	磁力 Magnetic	2-100mm
送料速度 Conveyor Speed	0.8-4m/min (变频可调 frequency control)	
砂带速度 Sanding Belt Speed	8-20m/s (变频可调 frequency control)	
砂块速度 Sanding Brush Speed	7.5m/s	
额定电压 Rated Voltage	AC 380V/50Hz	
最大功率 MAX. POWER	无磁力 No Magnetic	13/13/17.5kwe
	磁力 Magnetic	18KW/17KW/21.5KW
气压 Compressed Air	0.6-0.8Mpa	
重量 Weight	2000kg/2200kg/3000kg	

样品图 | Sample Parts Photo



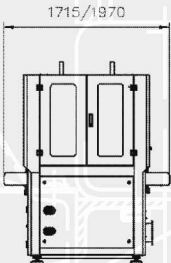
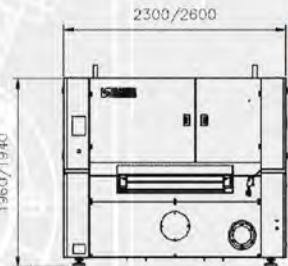
K SERIES 系列

自动砂块去毛刺机

BLOCK-SHAPED SANDING BRUSH DEBURRING MACHINE

去毛刺、倒圆角，一般用于不宜真空吸附或磁力吸附
Deburring, edge rounding. Fits for workpiece
which is not applicable for fixation by vacuum or magnetic force

外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

两套K模组
Two K stations

输送及固定方式 | Conveying And Fixing

压辊夹持，带式输送
Belt conveying, press rollers fixation

加工效果 | Processing Result

内外轮廓圆润光滑，轻微长直丝纹
Round and smooth contour, long straight line pattern(slight)

功能特点 | Features

- 1 去除工件毛刺、锐边
Remove burrs and sharp edges from the workpiece
- 2 双组砂块机构,更高效实现内外轮廓倒圆角
Double sanding brush mechanism,
higher efficient rounding of inner and outer contour
- 3 工艺参数记忆
Memory of process parameters
- 4 智能保养提示
Intelligent maintenance reminding
- 5 磨料自动补偿(选配)
Automatic compensation of abrasive (optional)
- 6 磨料更换提醒(选配)
Abrasive replacement reminding (optional)

技术参数 | Technical Parameters

工作台宽度 Working Width	1000mm/1300mm
加工厚度 Working Thickness	0.5-100mm
送料速度 Conveyor Speed	0.8-4m/min (变频可调 frequency control)
砂块速度 Sanding Brush Speed	7.5m/s
最大功率 MAX. POWER	无磁力: 11.5KW/14.8KW(不含集尘器) 磁力: 11.8KW/15.1KW(不含集尘器)
额定电压 Rated Voltage	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa
重量 Weight	2200/3000kg

样品图 | Sample Parts Photo



SDTK SERIES 系列

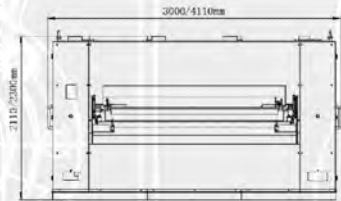
双面清渣机

DOUBLE SIDE

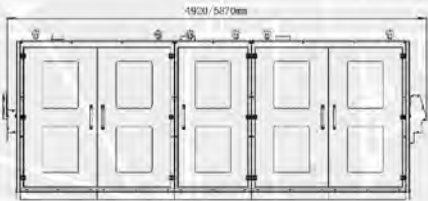
SLAG CLEANING MACHINE

碳钢中厚板等离子、火焰、激光切割
熔渣清除，工件无需翻面直接进行双面加工

Remove slag of medium or thick carbon steel cut
by plasma, flame and laser. Two sides of workpiece direct
processing without flipping it over.



外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢
Carbon steel

模块组合 | Station Combination

下置清渣锤S、上下砂带T、上下砂块K等机构组合
S, double T and double K stations, slag cleaning hammer
(under the table)+two triangular sanding belts(upper/lower)
+two block-shaped sanding brushes(upper/lower)

输送及固定方式 | Conveying And Fixing

上磁力、下磁力固定+带式输送
Belt Conveying+magnetic fixation(upper/lower)

加工效果 | Processing Result

工件上下表面割渣清除，零件边缘、孔边倒钝效果
Two-side cutting slag cleaning, contour edge
and hole edge blunting

技术参数 | Technical Parameters

工作台宽度 Working Width	1000mm	2300mm
加工厚度 Working Thickness	3-50mm	5-80mm
送料速度 Conveyor Speed	0.8-4m/min (变频可调 frequency control)	1-6m/min (变频可调 frequency control)
清渣速度 Slag cleaning Speed	7.5m/s	8.5m/s
砂带速度 Sanding Belt Speed	8-20m/s (变频可调 frequency control)	12-19m/s (变频可调 frequency control)
砂块速度 Sanding Brush Speed	7.5m/s	8.5m/s
最大功率 MAX. POWER	48.5KW (不含集器 excluding dust collector)	75KW (不含集器 excluding dust collector)
额定电压 Rated Voltage	AC 380V/50Hz	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa	0.6-0.8Mpa
重量 Weight	8500kg	11000kg

功能特点 | Features

- 1 工件无需翻面，直接输送进设备，
完成工件下表面清割渣及倒钝功能
Need not flip workpiece over after cutting and can directly
feed onto conveying belt to finish removing slag
and blunting edge of lower surface
- 2 双面砂带机构对工件上下表面进行去毛刺处理
Double sided sanding belt mechanism can remove burrs
from upper and lower surfaces of workpiece
- 3 双面砂块机构对工件双面内外轮廓进行倒钝处理
Double sided sanding brush mechanism can blunt inner
and outer contours
- 4 工艺参数记忆
Memory Of Process Parameters
- 5 智能维护保养提示
Intelligent maintenance reminding
- 6 磨料自动补偿 (选配)
Automatic compensation of abrasive(optional)
- 7 磨料更换提醒 (选配)
Abrasive replacement reminding(optional)
- 8 智能运行
Intelligent running

样品图 | Sample Parts Photo



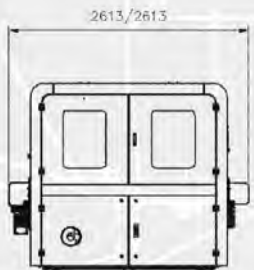
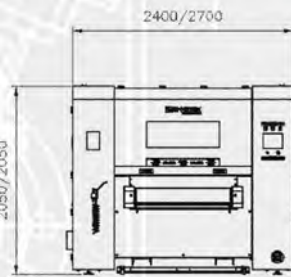
STK SERIES 系列

单面清渣机

SINGLE SIDE SLAG CLEANING MACHINE

碳钢中厚板等离子、火焰、激光切割熔渣清除
Remove cutting slag of medium or thick carbon steel cut by plasma, flame and laser

外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢
Carbon steel

模块组合 | Station Combination

清渣锤S、三角砂带T、砂块机构K组合
Combination of slag cleaning hammer, triangular sanding belt, block-shaped sanding brush

输送及固定方式 | Conveying And Fixing

磁力固定+输送带传输
Conveying belt+magnetic fixation

加工效果 | Processing Result

零件表面光整保留氧化层, 内外轮廓圆润
Preserve oxide layer after surface grinding finishing.
Round and smooth contour

技术参数 | Technical Parameters

工作台宽度 Working Width	1000/1300mm
加工厚度 Working Thickness	2-80mm
送料速度 Conveyor Speed	0.8-4m/min (变频可调 frequency control)
清渣速度 Slag cleaning Speed	7.5m/s
砂带速度 Sanding Belt Speed	8-20m/s (变频可调 frequency control)
砂块速度 Sanding Brush Speed	7.5m/s
最大功率 MAX. POWER	23KW/26KW(不含集器 excluding dust collector)
额定电压 Rated Voltage	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa
重量 Weight	4000/5200kg

功能特点 | Features

- 1 高效清除工件表面割渣
Efficient removal of workpiece surface cutting slag
- 2 高效去除工件表面毛刺
Efficient removal of workpiece surface burr
- 3 对工件内外轮廓进行倒钝
Inner and outer contours blunting
- 4 工艺参数记忆
Memory of process parameters
- 5 智能维护保养提示
Intelligent maintenance reminding
- 6 磨料自动补偿(选配)
Automatic compensation of abrasive(optional)
- 7 磨料更换提醒(选配)
Abrasive replacement reminding(optional)

样品图 | Sample Parts Photo



BR SERIES 系列 拉丝辊刷去毛刺组合机 SURFACE BRUSHING ROLLING BRUSH COMBINATION DEBURRING MACHINE

小熔渣、倒圆角，一般适用于少孔、平面度较好的工件
Small slag removing, edge rounding.
Fits for processing workpiece with less holes and good flatness

外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

宽幅砂带B+万向辊刷R组合
Combination of wide-width sanding belt (B)+ omni-direction rolling brush (R)

输送及固定方式 | Conveying And Fixing

真空吸附或磁力吸附+输送带传送
Belt conveying+vacuum adsorption or magnetic force fixation.

加工效果 | Processing Result

表面拉丝纹路，轮廓圆润均匀
Brushing pattern surface, round and uniform contour

功能特点 | Features

- 1 表面拉丝、去熔渣及毛刺
Surface Brushing, Slag And Burrs Removing
- 2 内外轮廓均匀倒圆角
Uniform Rounding Of Inner And Outer Contours
- 3 吸附力强大，满足更小工件
Strong Adsorption Force, Suitable For Smaller Workpieces
- 4 磨削力自动补偿
Automatic compensation of grinding force
- 5 工艺参数记忆
Memory Of Process Parameters
- 6 吸附腔体自动清洁
Automatic Cleaning Of Adsorption Chamber
- 7 智能感知保护
Intelligent Perception Protection
- 8 磨料更换提醒
Abrasive Replacement Reminding

技术参数 | Technical Parameters

工作台宽度 Working Width	800mm/1000mm/1300mm	
加工厚度 Working Thickness	1-80mm	
送料速度 Conveyor Speed	1-8m/min (变频可调 frequency control)	
砂带速度 Sanding Belt Speed	2.2-11m/s (变频可调 frequency control)	
滚刷速度 Grinding Speed	9-18r/s (变频可调 frequency control)	
公转速度 Revolution Speed	9-19r/min (变频可调 frequency control)	
额定电压 Rated Voltage	AC 380V/50Hz	
最大功率 MAX. POWER	真空 Vacuum	32KW/40KW/48KW(不含集尘器 excluding dust collector)
	磁力 Magnetic	21KW/25KW/33KW(不含集尘器 excluding dust collector)
气压 Compressed Air	0.6-0.8Mpa	
重量 Weight	2200kg/3100kg/3700kg	

样品图 | Sample Parts Photo



R SERIES 系列

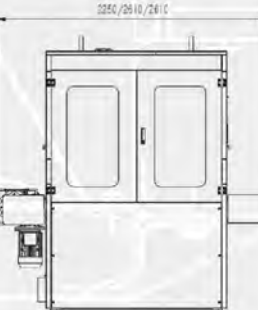
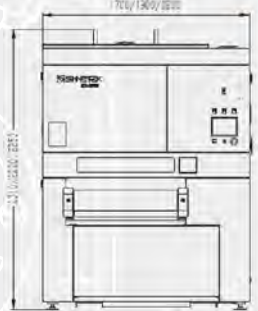
自动辊刷去毛刺机

ROLLING BRUSH DEBURRING MACHINE

去毛刺、倒圆角，一般适用于少孔、平面度较好的工件
Deburring, edge rounding. Fits for processing workpiece with less holes and good flatness



外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

R模块, 万向辊刷结构
R station, omni-direction rolling brush

输送及固定方式 | Conveying And Fixing

真空吸附或磁力固定, 输送带传送
Belt conveying, vacuum adsorption or magnetic force fixation.

加工效果 | Processing Result

轮廓圆润均匀, 表面回转丝纹
Round and uniform contour, revolution pattern surface

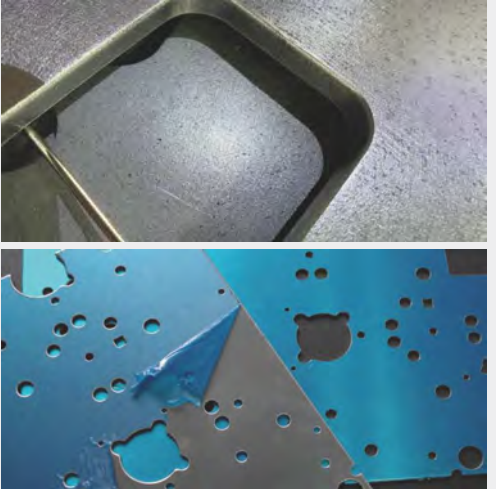
技术参数 | Technical Parameters

工作台宽度 Working Width	800mm/1000mm/1300mm	
加工厚度 Working Thickness	1-80mm	
送料速度 Conveyor Speed	1-8m/min (变频可调 frequency control)	
滚刷速度 Grinding Speed	9-18r/s (变频可调 frequency control)	
公转速度 Revolution Speed	9-19r/min (变频可调 frequency control)	
额定电压 Rated Voltage	AC 380V/50Hz	
最大功率 MAX. POWER	真空 Vacuum	32KW/40KW/48KW(不含集尘器 excluding dust collector)
	磁力 Magnetic	21KW/25KW/33KW(不含集尘器 excluding dust collector)
气压 Compressed Air	0.6-0.8Mpa	
重量 Weight	2200kg/3100kg/3700kg	

功能特点 | Features

- 1 去除轮廓边缘较软毛刺
Remove soft burrs from contour edges
- 2 内外轮廓均匀倒圆角
Uniform Rounding Of Inner And Outer Contours
- 3 吸附力强大, 满足更小工件
Strong Adsorption Force, Suitable For Smaller Workpieces
- 4 磨削力自动补偿
Automatic compensation of grinding force
- 5 工艺参数记忆
Memory Of Process Parameters
- 6 吸附腔体自动清洁
Automatic Cleaning Of Adsorption Chamber
- 7 智能感知保护
Intelligent perception protection
- 8 磨料更换提醒
Abrasive Replacement Reminding

样品图 | Sample Parts Photo



RG SERIES 系列

机器人打磨工作站 ROBOT GRINDING WORKSTATION

压铸、焊接等成型零件的缺陷打磨以及焊缝打磨
Defects grinding and welding seam grinding
for parts formed by die casting, welding



适合材质 | Applicable Material

碳钢、不锈钢、铝等成型构件
Formed parts of Carbon Steel, Stainless Steel, Aluminum, etc.

模块组合 | Station Combination

机器人+力控系统+打磨系统+工装+磨料自动更换系统
Robot+force control system+ grinding system+tooling
+automatic abrasive replacement system

输送及固定方式 | Conveying And Fixing

根据工件特性，机器人抓取工件或者机器人抓取打磨工具
Robot grabs workpiece or grinding tool according to
characteristics of workpiece

加工效果 | Processing Result

打磨、铣削工件焊疤、飞边，对工件表面实现去毛刺、拉丝、抛光等功能
Grinding, milling welding scar and burr of workpiece.
Performing surface deburring, brushing and polishing

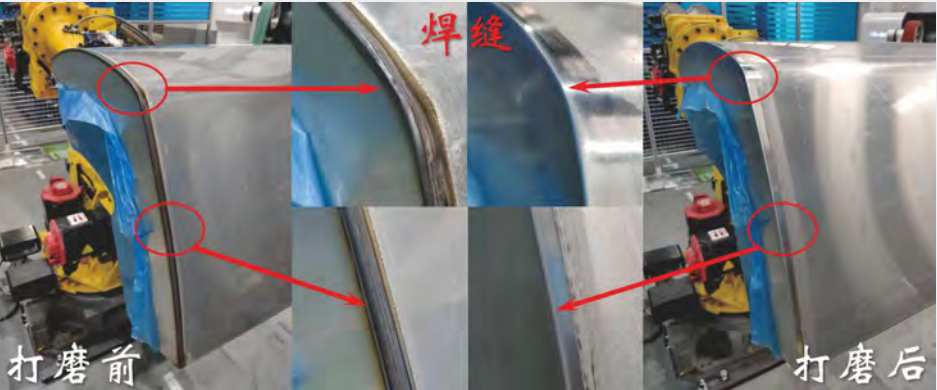
技术参数 | Technical Parameters

力控系统 FCS		力控砂带机 FSC Sander	
力控调节范围	10-300(N)	砂带速度	4-40m/s(变频可调)
力控精度	±4(N)	力控范围	10-200N
位置精度	0.1mm	最大功率	4KW
位置补偿	20mm(双向)	额定电压	AC380V
额定工具负载	20KG	外形尺寸	1000*1165*1750
自重	9.5KG	质量	600kg
电源	DC 24V		
气压	0.6-0.8Mpa		
防护等级	IP65		

功能特点 | Features

- 1 自主开发先进算法的力控恒力打磨系统
Independently developed advanced algorithms force-control
constant force grinding system;
- 2 自主开发磨料库快速更换系统
Independently developed quick change system of abrasives;
- 3 自主开发机器人末端砂带打磨及抛光工具
Self-developed robotic end grinding and polishing tools;
- 4 自主开发磨料损耗时自动压力补偿技术
Self-developed technology of automatic pressure
compensation when abrasive loss occurring;
- 5 自主开发力控砂带机、抛光机
Self-developed force-control sander and polisher;
- 6 系统配置打磨工艺数据库
Grinding process database is equipped in system;

样品图 | Sample Parts Photo



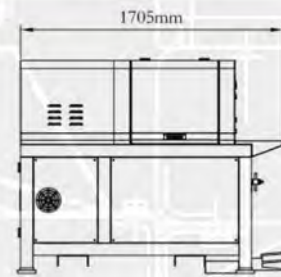
PS SERIES 系列

自动型材去毛刺机

PROFILE DEBURRING MACHINE

型材、管材切割面去毛刺、倒钝
Profile and tube cutting ends deburring and blunting

外形尺寸 | DIMENSION



适合材质 | Applicable Material

金属型材、管材
Metal profile, tube

模块组合 | Station Combination

单辊自转+公转机构
Single wheel rotation + revolution mechanism

输送及固定方式 | Conveying And Fixing

气动夹持机构, 自动送料
Pneumatic chuck, automatic feeding

加工效果 | Processing Result

切割面去毛刺、内外轮廓光滑圆润
Cutting ends deburring. Round and smooth contour

技术参数 | Technical Parameters

工件加工范围 Working range	Φ15 - Φ200mm	最大功率 MAX. POWER	4KW(不含集尘)	气压 Compressed Air	0.6-0.8Mpa
钢丝刷速度 Wire Brush speed	28r/s	额定电压 Rated Voltage	AC 380V/50Hz	重量 Weight	600kg

样品图 | Sample Parts Photo



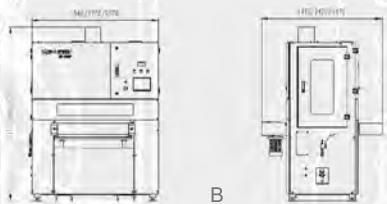
功能特点 | Features

- 1 金属型材切割面毛刺去除
Metal profile cutting ends deburring
- 2 切割面各种形状锐边倒钝
Remove sharp edge of various profiles
- 3 自动夹持、送料, 完成打磨功能
Automatic clamping, feeding, grinding functions
- 4 自由设置夹紧量、送料速度、磨削时长
Free setting of clamping tightness, feeding speed and grinding time
- 5 可实现不同切断角度的磨削
Grinding for profile with different cutting angle
- 6 不同材质配置不同磨料
Different abrasives available for different part materials

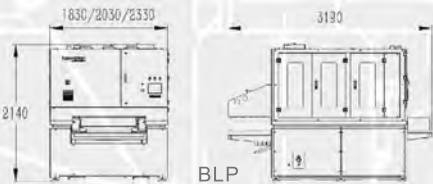
B/P(W) SERIES 系列 拉丝抛光系列 BRUSHING AND POLISHING

金属表面拉丝、砂光、抛光等作用，
实现金属表面短丝、长丝、抛光等效果

Metal surface brushing, sanding
and polishing, etc., produce short line, hair line
and polishing effect



外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

B&L&P等模组自由组合
Free combination of B, L, P stations

输送及固定方式 | Conveying And Fixing

压辊固定，带式输送
Belt conveying, press rollers fixation

加工效果 | Processing Result

板材表面不同的拉丝效果或者抛光效果
Different brushing effects or polishing effects on sheet surface

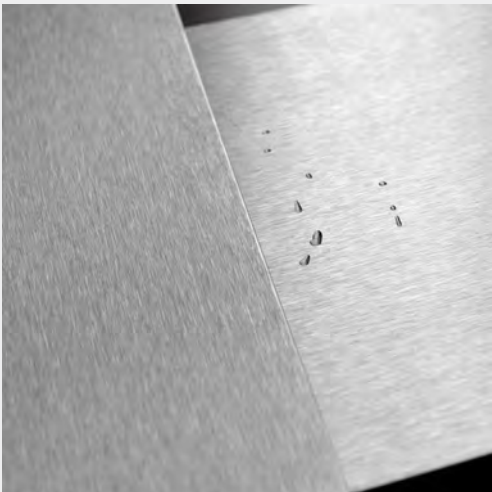
功能特点 | Features

- 1 B模组实现表面雪花短丝纹效果
B station can produce surface effect of snow flake short line pattern
- 2 L模组实现表面长直丝纹效果
L station can produce surface effect of long hair line pattern
- 3 P模组实现表面抛光细化的纹路效果
P station can produce surface effect of fine polishing line pattern
- 4 精度研磨，控制精度0.05MM
High precision grinding can control accuracy of 0.05mm
- 5 砂带自动纠偏功能，保证纹路无扭曲
Sanding belt automatic correction function ensures no twisted texture
- 6 智能感知保护
Intelligent perception protection
- 7 湿式机型可选配挤水风干功能
For wet model, can equip with water squeezing and drying function (optional)

技术参数 | Technical Parameters

	B系列(可多组)	BP系列	BLP系列
工作台宽度 Working Width	800mm/1000mm/1300mm	800mm/1000mm/1300mm	800mm/1000mm/1300mm
加工厚度 Working Thickness	1-80mm	1-80mm	1-80mm
送料速度 Conveyor Speed	3-10m/min (变频可调 frequency control)	1-8m/min (变频可调 frequency control)	1-8m/min (变频可调 frequency control)
砂带速度 Sanding Belt Speed	11m/s	11m/s	11m/s
刻丝速度 Carving Speed			100mm/min
抛光辊速度 Polishing Roller Speed		23r/s	23r/s
最大功率 Max. Power 不含集尘 (excluding dust collector)	13KW/17KW/21KW	28KW/36KW/44KW	32KW/40KW/48KW
额定电压 Rated Voltage	AC 380V/50Hz	AC 380V/50Hz	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa	0.6-0.8Mpa	0.6-0.8Mpa
重量 Weight	1500kg/1800kg/2200kg	2200kg	3200kg/3800kg/4500kg

样品图 | Sample Parts Photo



H SERIES 系列

自动抛纹机

AUTOMATIC PATTERN POLISHING MACHINE

用于表面抛乱纹, 增加附着力, 延长防锈的用途
Irregular pattern polishing for workpiece surface.
Improve adhesion and extend duration of rust prevention



外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

两组以上H模组, 可以和其他模组组合及双面抛纹
Two or more H stations, can combined with other station
or perform tow-side pattern polishing

输送及固定方式 | Conveying And Fixing

真空吸附固定+带式输送
Perforated belt conveying, vacuum adsorption fixation.

加工效果 | Processing Result

表面均匀无规则乱纹
Uniform surface with irregular pattern

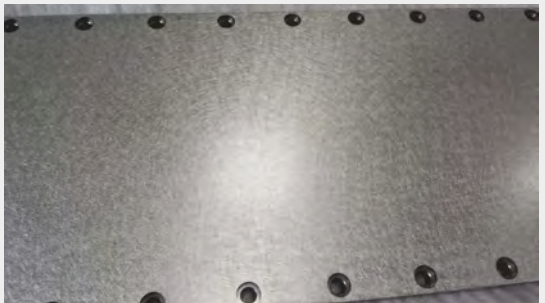
技术参数 | Technical Parameters

工作台宽度 Working Width	800mm/1000mm/1300mm
加工厚度 Working Thickness	0.8-60mm
送料速度 Conveyor Speed	0.8-4m/min (变频可调 frequency control)
最大功率 MAX. POWER	30KW/30KW/35KW(含高压风机 including high pressure blower)
额定电压 Rated Voltage	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa
重量 Weight	3800kg/4500kg/5500kg

功能特点 | Features

- 1 经加工的表面呈现均匀无规则乱纹
Irregular pattern surface after processing
- 2 增加表面粗糙度
Increase surface roughness
- 3 修复轻微划痕
Restore slight scratch on surface
- 4 防指纹印
Fingerprint mark prevention
- 5 与其他模组可以组合实现去毛刺、倒角、抛纹的效果
Working together with other stations can realize deburring, edge rounding and polishing effect
- 6 工艺参数记忆
Memory of process parameters

样品图 | Sample Parts Photo

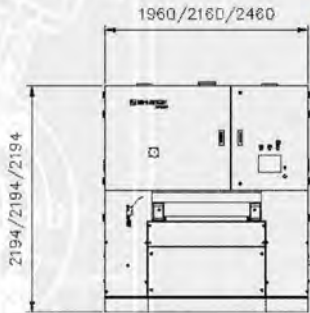


D SERIES 系列

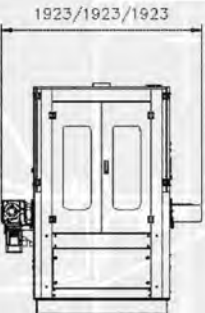
多功能碟刷去毛刺抛光机

MULTI-FUNCTION DISC BRUSH DEBURRING AND POLIHING MACHINE

用于表面去毛刺、抛光等作用
Surface deburring and poliing



外形尺寸 | DIMENSION



适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

回转型D模组结构, 可实现干式或者湿式运行模式
Rotary D-station structure, can run in dry or wet mode

输送及固定方式 | Conveying And Fixing

压辊传输、真空吸附多种固定方式, 带式输送
Belt conveying, press roller or vacuum fixation

加工效果 | Processing Result

工件内外轮廓去毛刺, 表面抛光, 均匀纹路
Workpiece contours deburring, polishing, uniform pattern

技术参数 | Technical Parameters

工作台宽度 Working Width	800mm/1000mm/1300mm
加工厚度 Working Thickness	1-40mm
送料速度 Conveyor Speed	1-4m/min (变频可调 frequency control)
自转速度 Disc rotation speed	3000-6000r/min
公转速度 Revolution Speed	200-400mm/s
最大功率 MAX. POWER	30KW(含高压风机)
额定电压 Rated Voltage	AC 380V/50Hz
气压 Compressed Air	0.6-0.8Mpa
重量 Weight	2500kg/3000kg/3500kg

功能特点 | Features

- 1 专利设计结构, 一机多用
Patent design structure, multi-purpose machine
- 2 多种磨料选择, 可实现去毛刺、抛光等不同需求
Multiple abrasives available, meet different demands on deburring, polishing, etc.
- 3 全工位碟刷均匀研磨, 大幅提高耗材寿命
Uniform grinding of all disc brushes of the station, improve service life of consumables
- 4 专利调碟刷控制系统, 确保工件处理效果一致
Patent disc adjusting control system, secure consistent processing effect
- 5 工艺参数记忆
Memory Of Process Parameters
- 6 智能感知保护
Intelligent perception protection

样品图 | Sample Parts Photo



机器人上下料工作站

ROBOT FEEDING AND RECEIVING WORKSTATION



无人化打磨去毛刺, 实现自动识别工件, 自动搬运、码垛。
Unmanned grinding and deburring, realizing automatic recognition, handling and stacking



3D相机

适合材质 | Applicable Material

碳钢、不锈钢、铜、铝等各类金属材料
Carbon Steel, Stainless Steel, Copper, Aluminum, etc.

模块组合 | Station Combination

机器人+端拾器+3D视觉+2D视觉+输送
Robot+End Effector+3D Vision+2D Vision+Conveying

输送及固定方式 | Conveying And Fixing

机器人+端拾器抓取及搬运工件
Robot+End Effector grabbing and handling

功能特点 | Features

- 1 双托盘工位, 实现机器人连续工作
Dual-tray station, achieving continious robot operation
- 2 3D视觉识别工件, 并与去毛刺机联动, 自动调节机器工作参数
3D vision workpiece discerning, deburring machine linkage and processing parameters auto-adjusting.
- 3 2D视觉判断工件位置, 实现机器人精准抓取及码垛
2D visual judgement of part position, realizing accurate grabbing and stacking
- 4 抓取结束空位提示, 及时补料
Vacancy alarm reminding after grabbing, replenish part in time
- 5 码垛完成提示, 及时输出并补充空托盘
Stacking finish alarm, remind move-out and supplement of empty pallet
- 6 多点安全报警, 运行更安全
Multiple safty check points alarm, safer operation
- 7 可与MES对接, 实现工单管理
Connecting with MES, provide work order management



机器人+端拾器

ZDC SERIES 系列

湿式集尘器

DUST COLLECTOR-WET STYLE

打磨粉尘、扬尘的负压收集
Negative pressure collection of grinding dust and fugitive dust

适合材质 | Applicable Material

合适固体粉尘的收集
Suitable for solid dust collection

模块组合 | Station Combination

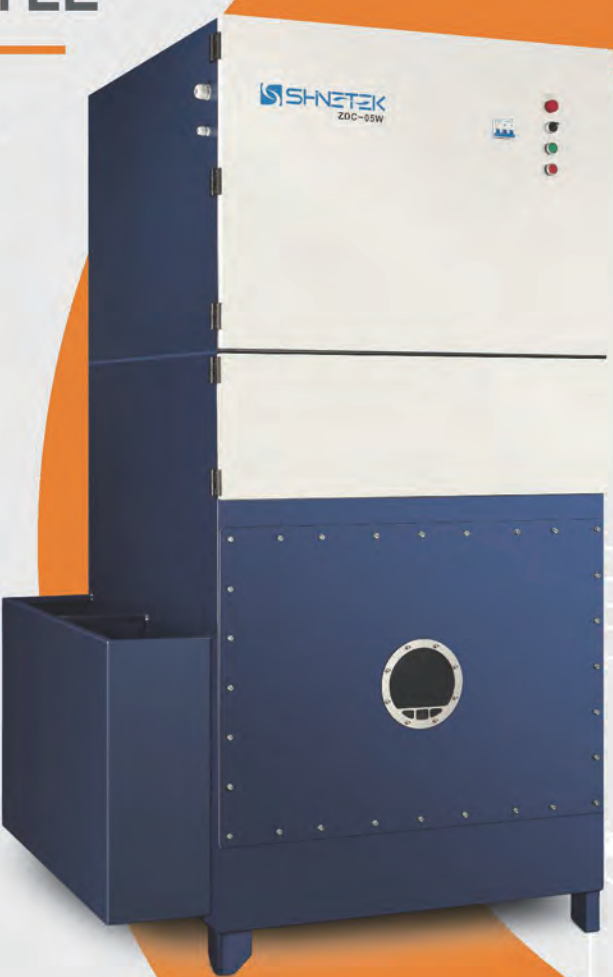
水介质过滤粉尘
Water medium dust filtration

功能特点 | Features

- 1 高效率过滤打磨粉尘
Efficient filtration of grinding dust
- 2 通过浸水和水雾过滤, 安全环保
Imersion and water mist filtration, safe and environment friendly
- 3 低成本运行, 耗材为水
Low cost of water medium
- 4 可与去毛刺机联动, 实现同步启停
Linked with deburring machine, start and stop together
- 5 低噪音运行
Low noise operation

技术参数 | Technical Parameters

电源 POWER	AC 380V/50Hz	标准进风口径 STANDARD AIR INLET DIAMETER	φ200mm/φ300mm
功率 POWER	3KW/5.5KW	噪声等级 NOISE LEVEL	72dB
电机防护等级 MOTOR PROTECTION CLASS	Ip55	过滤材质 FILTER MATERIAL	水 WATER
风量 AIR VOLUME	4500m³/h 5200m³/h	水箱容量 WATER TANK CAPACIT	230L/650L
风压 WIND PRESSURE	1500Pa	清灰方式 CLEANING METHOD	底部排泥 BOTTOM DISCHARGE
外形尺寸 DIMENSIONS	820*1100*1860mm/1205*1255*2162mm		



外形尺寸 | DIMENSION



更多产品正在持续研发中，敬请期待...

More products are
under continuous
development...