

机床附件专业制造商



机床附件系列产品

MACHINE TOOL ACCESSORIES SERIES



◎排屑输送机
◎工 量 具
◎操 作 件



河北瑞奥机件制造有限公司

HEBEI RUIAO

Machine Tool Accessories Producing Co.,Ltd



瑞奥机件

追求卓越无止境，
与时俱进创未来！



ABOUT US

企业简介>>

河北瑞奥机件制造有限公司致力于工业自动化产品的开发设计、生产和销售。主要产品有排屑输送机、工量具、操作件、工程塑料拖链、钢制拖链、机床防护罩、软管及接头、机床工作灯、油雾净化器等系列产品。

我们的产品品种齐全、价格全国最低、交货及时。如果您在安装有何不解，或有什么愿望和想法，请及时与我公司联系，我公司在24小时内帮您解决。

我公司将以一流的质量，良好的信誉，为用户提供满意的服务。并热诚与国内外同仁广为合作，为发展数控配套产品做出贡献。

The Hebei Ruiao Machine Tool Accessories Producing Co.,Ltd has been concentrating itself on the development and design, production and sales of the automated products. The main products made by the company are as follow: chip conveyors, tools and measure, operational Piece, engineering plastics drag chains, steel drag chains, machine shield, hoses and connectors for hose, machine tool work lamps, oil mist collector and other products.

Being sold at the lowest price and delivered in time, our products are available in a complete set of specifications. Should you have any questions concerning the installation or any requirements, please feel free to contact us and we will be pleased to serve you at any time.

Our company will provide you with satisfactory service with frist class quality and good creddtability. We are willing to co-operate with friends in the same line at home and abroad so as to malle contributions to the components of the digital-controlled products.





河北瑞奥机件制造有限公司

HEBEI RUIAO MACHINE TOOL ACCESSORIES PRODUCING CO.,LTD

生产设备 Production Equipment



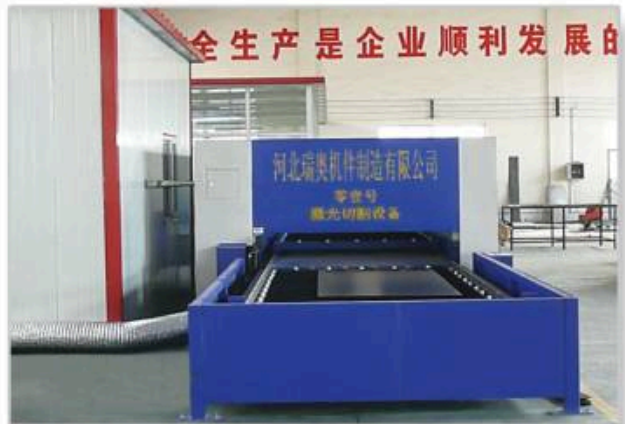
注塑车间
Injection moulding workshop



模具车间
Moulding workshop



冲压车间
Pressing workshop



钣金车间
Sheet-metal processing workshop

宏大的规模 · 先进的设备 · 精湛的技术 · 新颖的工艺
Grand scale, Advanced equipment, Superb technical, Novel process

成就瑞奥机件高质量的产品

Achievements of RUIAO machine tool accessories high-quality products

瑞奥公司旗舰产品展示

Ruiao company flagship product display



排屑输送机系列
Ship Conveyor Series



纸带过滤机系列
Paper Tape Filter Series



垫铁系列
Mounts Series



操作件系列
Operating Piece Series

排屑输送机应用实例

Chip Conveyor Application Examples



操作件应用实例

Operating Piece Application Examples



工量具应用实例

Tools and Measure Application Examples



瑞奥 产品走出国门，销往世界

RUIAO products are sold all over the world



总经理李亚胜在俄罗斯机床展与外商洽谈后合影
The Director yasheng lee in Russia machine tool exhibition



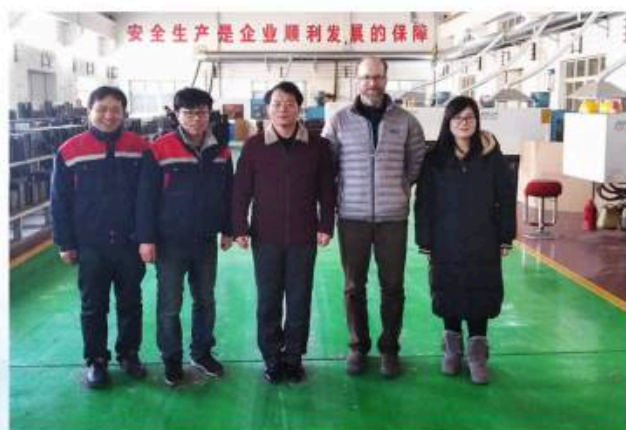
总经理李亚胜在印度机床展与外商合影
The Director yasheng lee in India machine tool exhibition



本公司参加上海国际机床展
Our company Participated in Shanghai international Machine Tool Exhibition



总经理李亚胜在伊朗工业展与外商洽谈
The director yasheng lee in Iran industrial exhibition



美国客户来公司考察订货
The customer from USA visited our factory again



阿根廷客户在公司检验产品
The customer from Argentina is testing products

荣誉资质

Enterprise Qualification



总目录 CONTENTS

1-15

排屑输送机系列
Chip Conveyor Series



排屑输送机系列主要为分链板式排屑机、刮板式排屑机、磁性板式排屑机、螺旋式排屑机等，主要用于数控机床排屑及粉末的输送设备。

Scraps-excluding conveyor and Towline chain series mainly include Chain plate Scraps-excluding machine, plate scraping Scraps-excluding machine, magnetism plate Scraps-excluding machine. They are mainly used in the conveyor equipment of the numerical control machine to exclude scraps and flour.

16-26

工量具系列
Tools and Measure Series



工量具系列主要分为垫铁、蹄、减振紧固件、平板、方箱、V型铁、偏摆检测仪等。垫铁放于机械下面，支撑机械重量，具有减震，支撑机械的作用。

Tools and Measure series mainly divided into horn, hoof, vibration fasteners, flat, square box, V-iron, pendulum detector, and so on. Horn placed in the machine below, support the mechanical weight, with shock absorption, support the role of machinery.

27-32

操作件、撞块
槽板、刮屑板
可调塑料冷却管
Operational Piece,
Hit the Block,
Slot Plate,
Scraping Plate,
Adjustable Plastic
Cooling Pipe



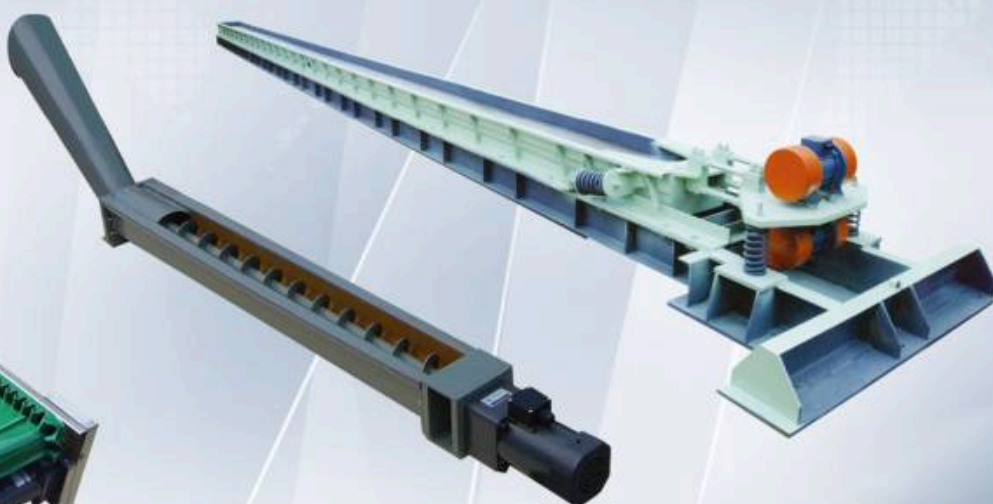
操作件系列主要分为手柄、手轮、拉手、门钮、T型撞块、槽板、刮屑板、塑料冷却管等。

Operational Series include: handle, hand wheel, handle, door button, T-type impact block, slot board, scraping board, plastic cooling pipe.



排屑输送机系列

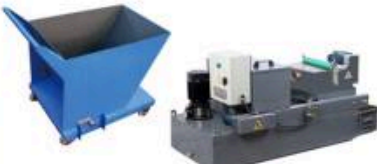
Chip Conveyor Series



排屑输送机系列目录

1	排屑链条		材质为碳钢板或不锈钢板，主要用于各种机械及煤矿、冶金设备的排屑。
2	刮板式排屑输送机		①体积小、效能高；为铜、铝、铸铁、等碎屑除送之最适合机型。②刮板宽度多元化，提供了绝佳的搭配弹性及有效的应用。③坚固的刮板组合，强度高、配合精准、动作稳定安静。④扭力限制设定，有效降低操作不当所造成之损害。
3	链板式排屑输送机		①体积小、效能高；为CNC，NC及产业机械最适之搭配机型。②链板宽度多元化，提供了绝佳的搭配弹性及有效的应用。③一体成型的链板组合，强度高、配合精准、动作稳定安静。④紧密的凸点设计，可有效防止碎屑附着，增加除屑能力。⑤扭力限制设定，有效降低操作不当所造成之损害。
4	磁性板式排屑机		每组磁性材料最大的吸附量是固定的，排屑量可根据输送速度、每组磁性材料间距来改变。主要输送长度在50mm以下的导磁断屑、碎屑、粉末屑。广泛应用于数控机床、组合机床生产线、加工中心等切削加工机床导磁切屑的输送。
5-6	螺旋式排屑机		可处理金属、非金属材料所切削下来的粉状、颗粒状或较短切屑，可根据需要选择A型：有芯、有集屑槽；B型：有芯无集屑槽；C型无芯、有集屑槽；D型：无芯、无集屑槽。可与其它排屑装置联合使用，组成不同形式的排屑系统。
7-8	裙边皮带输送机		裙边皮带输送机其结构是在平行橡胶输送带两侧粘上可自由伸缩的橡胶波形立式裙边，在裙边中间又粘有一定强度和弹性的横幅组成匣形斗，使物料斗中进行连续输送。裙边皮带输送机可广泛用于煤炭、粮食、建材、化工、水电、机械和冶金等部门。
9-10	平面振动式排屑机		平面振动式排屑机，通过偏心振动或振动电机来完成，不受排屑物品限制。对各类金属、非金属杂质成品块状、片状碎屑及粉末状均有良好的输送功能。
11-15	纸带过滤机 集屑车 (料斗)		纸带过滤机用于金属磨削加工或其它加工中的冷却液过滤，也适用于毛胚零件清洗系统的清洗液、工业用水、有机溶液及其它溶液中杂质的清除。 集屑车（料斗）用于收集各种机床排屑装置传送下来的各种切屑。

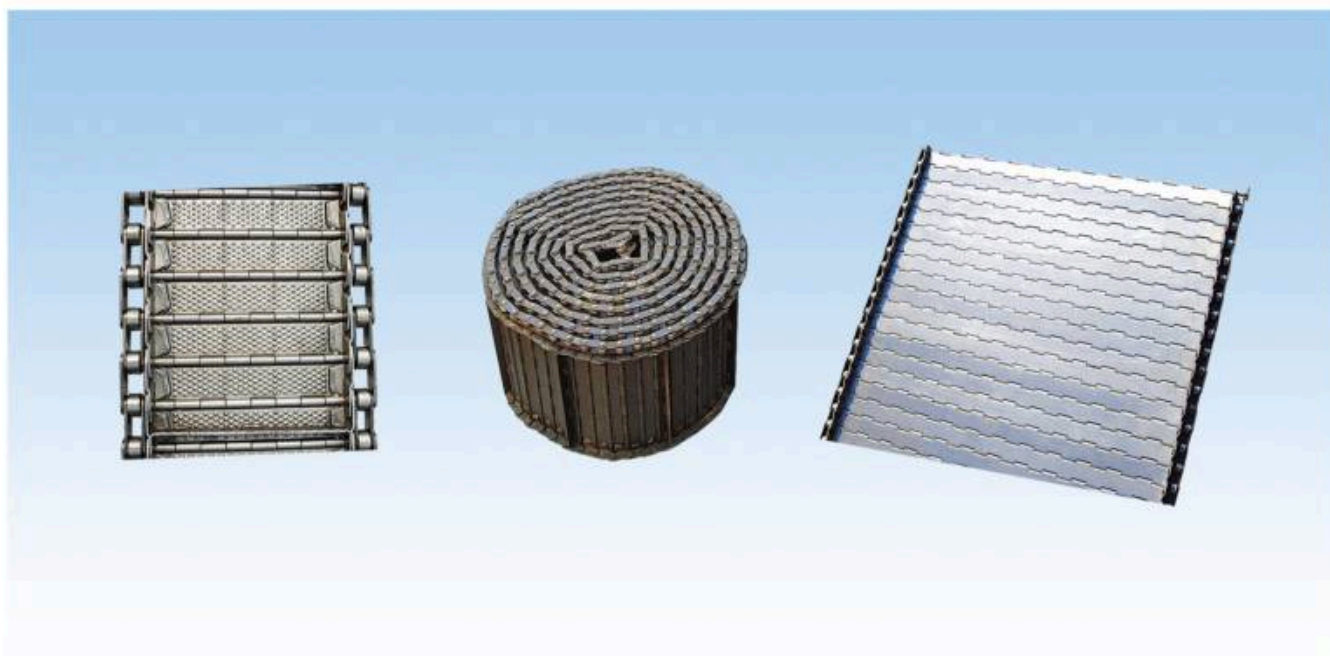
CONETNTS OF CHIP CONVEYOR SERIES

1	Scraps-excluding chain		Material for the carbon steel plate or stainless steel plate, mainly used for a variety of machinery and coal, metallurgical equipment chip removal.
2	Chip conveyor (Scraped Type)		① Compact with high efficiency; it's the most proper model on removing the chips of brass, aluminum or casting, and so on. ② Plural scraped width offers you the optimal application for wide range and the effectiveness. ③ A firm scraped assembly with high strength, precise coordination and stable & silent motion. ④ With a limited torque force, it can effectively reduce the damage to the minimum level that caused by improper operation.
3	Chip conveyor (Hing Belt Type)		① Compact with high efficiency; it's the most proper machine model for complying with CNC, NC machine. ② Plural binged belt width offers you the optimal application for wide range and the effectiveness. ③ Mono-assembly of link plate with high strength, precise coordination and stable & silent motion. ④ A design of small GAP convex points is available to prevent the chips from adhering due to the powerful ability on removing the chips. ⑤ With a limited torque force, it can effectively reduce the damage to the minimum level that caused by improper operation.
4	Magnetic sheet metal chip conveyor		The maximum amount of adsorbent for each group of magnetic material is fixed, and the amount of chips can be varied depending on the conveying speed and the spacing of each magnetic material. The main transmission length of 50mm below the magnetic chip, debris, powder chips. Widely used in CNC machine tools, combined machine tool production lines, machining centers and other cutting machine tool magnetic chip conveyor.
5-6	Screw chip conveyor		Can be processed metal, non-metallic materials cut down the powder, granular or shorter chips, according to need to choose A type: a core, a set of chips; B type: a core without chip flute, With chip flute; D type: no core, no chip flute. Can be used in conjunction with other chip removal devices to form different forms of chip removal system.
7-8	Skirt belt conveyor		The structure of skirt belt conveyor is on the both sides of parallel rubber conveyor belt stick with the skirt which is vertical waveform and can freely adjustable rubber, in the middle of the conveyor belt's edge stick with the banner which have a certain strength and elasticity to make of box-type bucket, then the material in the bucket can be continuously transported. Skirt belt conveyor can be widely used in coal, food, building materials, chemical industry, water and electricity, metallurgical machinery etc.
9-10	Plane vibrating debris removal unit		Plane vibrating chip conveyor, by eccentric vibration or vibration motor to complete, not subject to chip removal restrictions. For all types of metal, non-metallic impurities in the finished block, chip debris and powder have a good transport function.
11-15	Paper tape filter Debris collecting wagon		Tape filter for metal grinding or other processing of the coolant filter, but also for the embryo parts cleaning system cleaning fluid, industrial water, organic solvents and other impurities in the removal of the solution. Debris collecting wagon (bunker) is used to collect the debris produced from all types of machine tools.

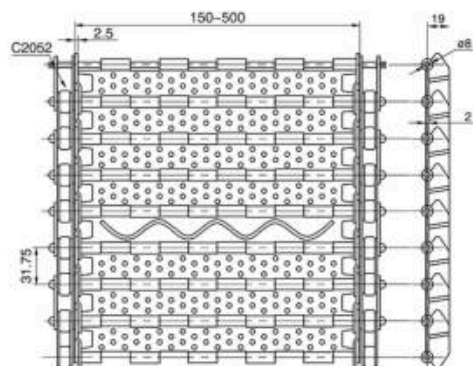


排屑链条系列

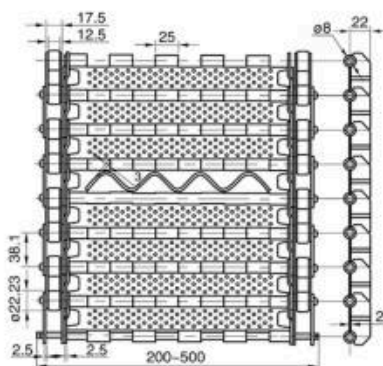
Scraps-excluding chain series



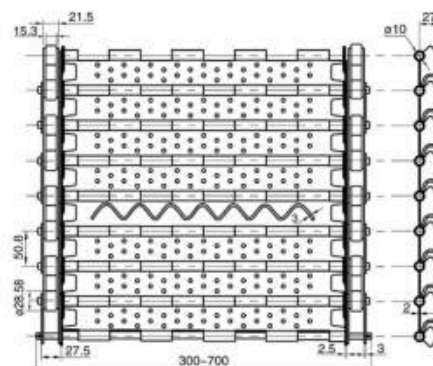
型号/Type: LJ:31.75mm
(节距/pitch: 31.75mm)



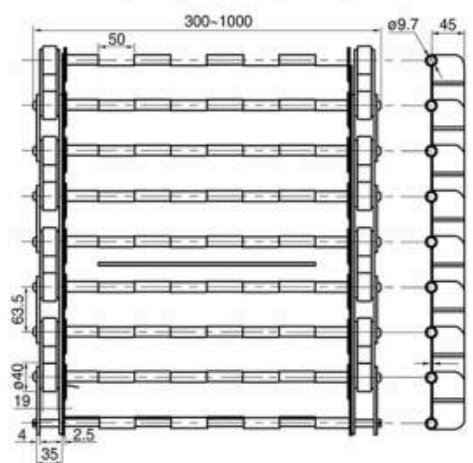
型号/Type: LJ:38.1mm
(节距/pitch: 38.1mm)



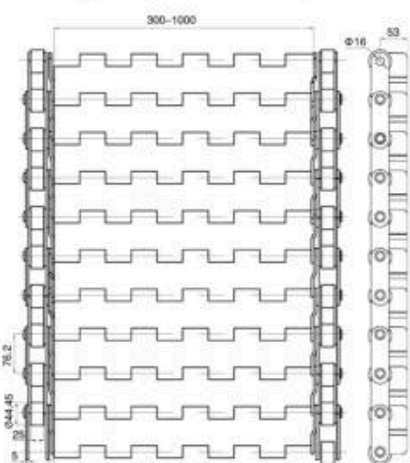
型号/Type: LJ:50.8mm
(节距/pitch: 50.8mm)



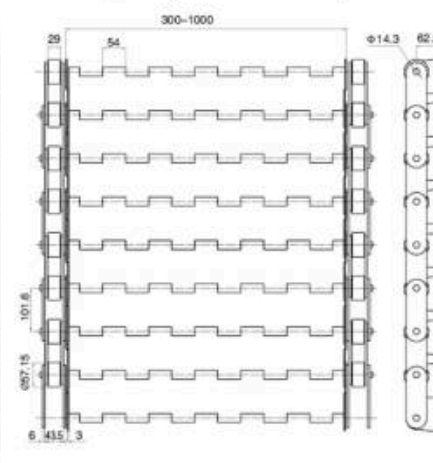
型号/Type: LJ:63.5mm
(节距/pitch: 63.5mm)



型号/Type: LJ:76.2mm
(节距/pitch: 76.2mm)



型号/Type: LJ:101.6mm
(节距/pitch: 101.6mm)

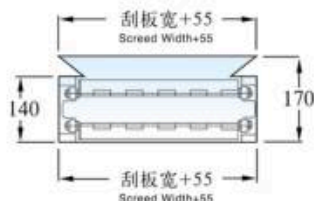




刮板式排屑输送机 Chip Conveyor (Scraped Type)

各式碎屑除送之最佳选择

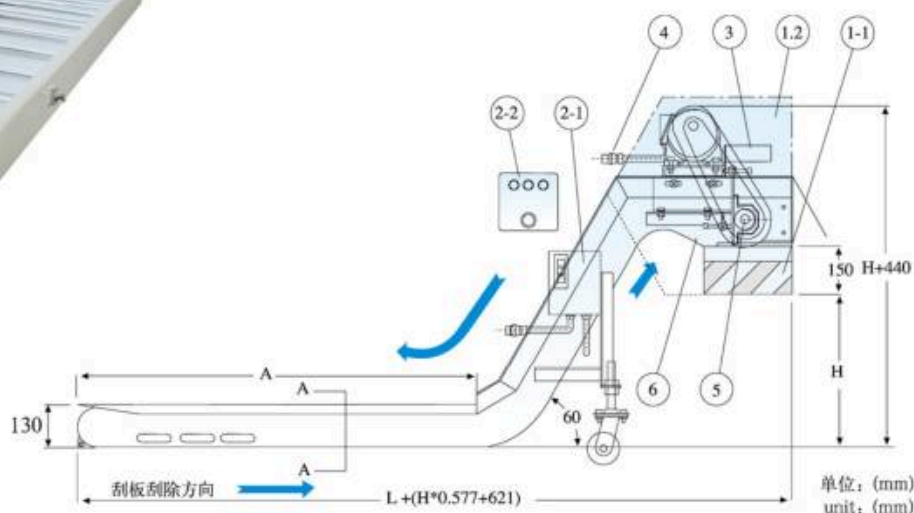
- ★ 体积小、效能高；为铜、铝、铸铁、等碎屑除送之最
适合机型。
- ★ 刮板宽度多元化，提供了绝佳的搭配弹性及有效的应用。
- ★ 坚固的刮板组合，强度高、配合精准、动作稳定安静。
- ★ 扭力限制设定，有效降低操作不当所造成之损害。



VIEW A-A

The best choice on using various kinds of chips remover

- ★ Compact with high efficiency; it's the most proper model on removing the chips of brass, aluminum or casting, and so on.
- ★ Plural scraped width offers you the optimal application for wide range and the effectiveness.
- ★ A firm scraped assembly with high strength, precise coordination and stable & silent motion.
- ★ With a limited torque force, it can effectively reduce the damage to the minimum level that caused by improper operation.



规格与选用配备 Specification & Options

标准规格 Specification		选用配备 Option	
减速马达 Reduce speed motor	1/4Hp(0.2kw)1/165 220/380V	1. CE规格装置 CE specification device	1. 简易型CE屑口装置 Simple CE device of exit
输送链距 Pitch of chain	R2050 P=31.75mm		2. 全罩式CE屑口装置 Full cover CE device of exit
刮板宽度 Scraped width	175, 175-600 (每隔50mm一种规格) (There is one kind of specification every 50mm)	2. 手动控制装置 Manual control device	1. 标准型正逆停控制 Standard emergent stop
刮板装置 Scraped device	每六个链距1-3片 One-three pieces for every six pitch		2. CE规格正逆停紧停控制 CE spec standard emergent stop
刮送速度 Scraped speed	1.2-1.4M/min (50-60Hz)	3. 各式远端控制盒 Various far terminal control boxes	
安全装置 Safety device	HTL-350-2	4. 各式电气蛇腹缆线 Various remote controller cable lines	
输送仰角 Angle of conveyor	60°	5. 扭力过载停止装置 Torque limit device	
		6. 防止卷入停止装置 Prevent chips roll up device	



链板式排屑输送机

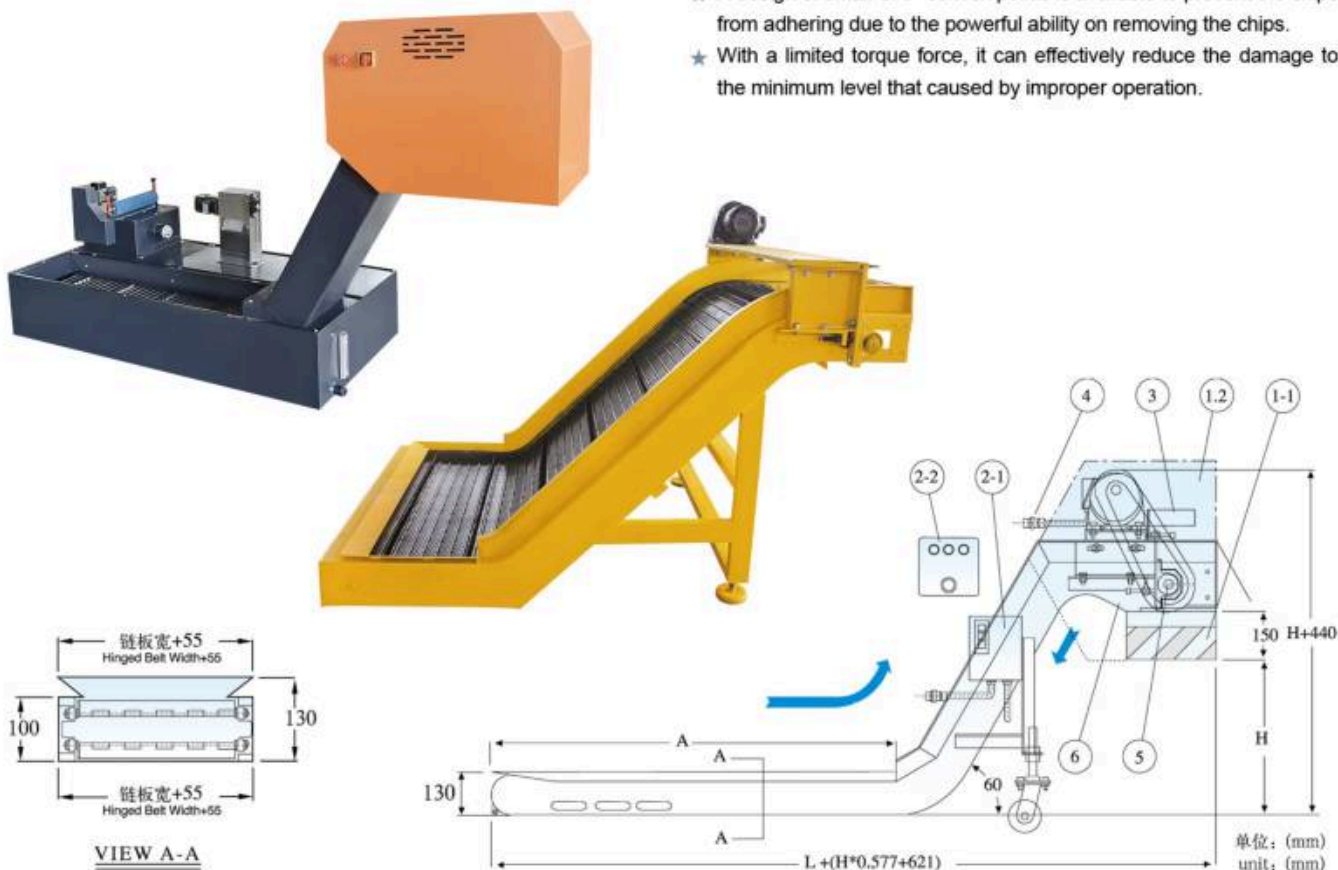
Chip Conveyor (Hinged Belt Type)

除屑输送自动化的绝佳利器

- ★ 体积小、效能高；为CNC，NC及产业机械最适之搭配机型。
- ★ 链钣宽度多元化，提供了绝佳的搭配弹性及有效的应用。
- ★ 一体成型的链钣组合，强度高、配合精准、动作稳定安静。
- ★ 紧密的凸点设计，可有效防止碎屑附着，增加除屑能力。
- ★ 扭力限制设定，有效降低操作不当所造成之损害。

The best tool for chip conveyor automatic

- ★ Compact with high efficiency; it's the most proper machine model for complying with CNC, NC machine
- ★ Plural binged belt width offers you the optimal application for wide range and the effectiveness.
- ★ Mono-assembly of link plate with high strength, precise coordination and stable & silent motion.
- ★ A design of small GAP convex points is available to prevent the chips from adhering due to the powerful ability on removing the chips.
- ★ With a limited torque force, it can effectively reduce the damage to the minimum level that caused by improper operation.



规格与选用配备 Specification & Options

标准规格 Specification		选用配备 Option	
减速马达 Reduce speed motor	1/4Hp(0.2kw)1/165 220/380V	1. CE规格装置 CE specification device	1. 简易型CE屑口装置 Simple CE device of exit
输送链距 Pitch of chain	R2050 P=31.75mm		2. 全罩式CE屑口装置 Full cover CE device of exit
链钣宽度 Hinged belt width	175, 175-600 (每隔50mm一种规格) (There is one kind of specification every 50mm)	2. 手动控制装置 Manual control device	1. 标准型正逆停控制 Standard emergent stop
链钣装置 Chips holder	每六个链距1片 One pieces for every six pitch		2. CE规格正逆停紧停控制 CE spec standard emergent stop
输送速度 Conveyor speed	1.2-1.4M/min (50-60Hz)	3. 各式远端控制盒 Various far terminal control boxes	
安全装置 Safety device	HTL-350-2	4. 各式电气蛇腹缆线 Various remote controller cable lines	
输送仰角 Angle of conveyor	60°	5. 扭力过载停止装置 Torque limit device	
		6. 防止卷入停止装置 Prevent chips roll up device	

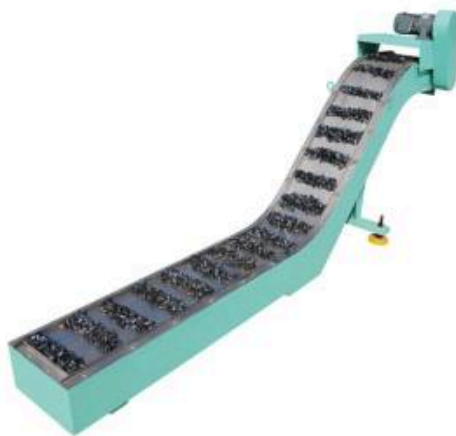


YSCB系列磁性板式排屑机

YSCB series magnetic plate form scraps excluding machine

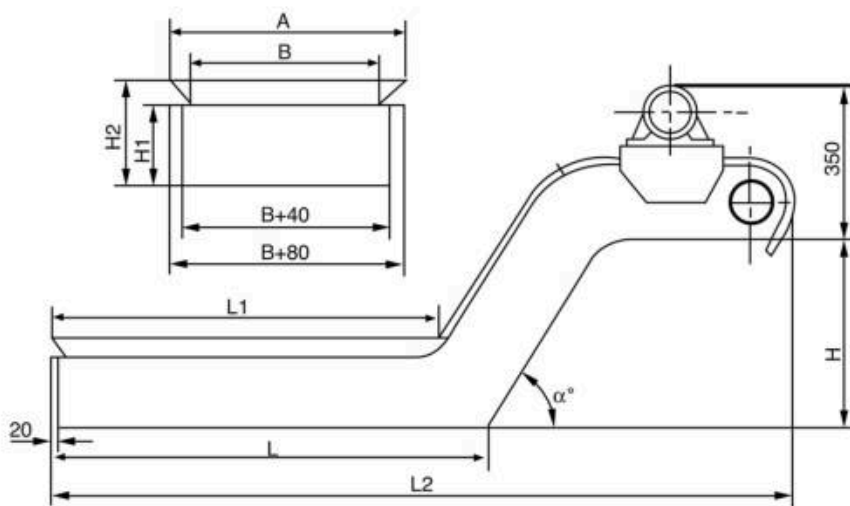
粉末状铁屑的输送利器

- ★ 每组磁性材料最大的吸附量是固定的，排屑量可根据输送速度、每组磁性材料间距来改变。
- ★ 主要输送长度在50mm以下的导磁断屑、碎屑、粉末屑。
- ★ 广泛应用于数控机床、组合机床生产线、加工中心等切削加工机床导磁切屑的输送。
- ★ 可与其它形式的排屑机、过滤机组合使用，达到主机的不同要求，有冷却油输送效果不理想。
- ★ 各部位的外形尺寸、冷却液箱可根据切削机床的不同而设计制造。



Conveyor edge tool for pulverous iron bits

- ★ Each group of magnetic material's absorbability is fixed, while the excluding volume could be changed according to the conveying speed and the distance between each magnetic material's group.
- ★ Magnetizer's broken pieces, scraps and flour, whose length is shorter than 50 mm are mainly conveyed.
- ★ They are widely used in such cutting and chopping machine as numerical control machine, combined machine production line, process center, etc, to convey magnetic scraps.
- ★ They could be used combined with other form of scraps-excluding machine and strainer so as to obtain the host machine's requirement. If there are cooling oil, the conveying result is not satisfying.
- ★ The outline of each part and cooling case could be designed and made according to the cutting and chopping machine's difference.



单位: mm

型号 Model	尺寸 Size	L	L1	L2	A	B	H	H1	H2	α
YSCB-100	$\leq 5m$		$\leq L$	$\leq 7m$	$\geq B$	100		100	≥ 100	$0^\circ \sim 30^\circ$ $45^\circ \sim 60^\circ$ $75^\circ \sim 90^\circ$
YSCB-130	$\leq 8m$			$\leq 10m$		-		130	≥ 130	
YSCB-170	$\leq 15m$			$\leq 18m$				170	≥ 170	
YSCB-210	$\leq 25m$			$\leq 28m$		800		210	≥ 210	
YSCB-X										



HRLX系列螺旋式排屑机

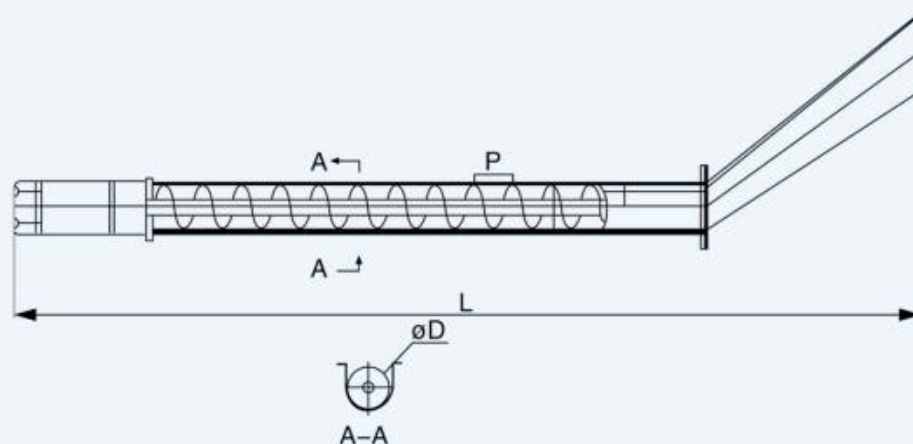
HRLX screw type conveyor



产品介绍: 可处理金属、非金属材料所切削下来的粉状、颗粒状或较短切屑，可根据需要选择A型：有芯、有集屑槽；B型：有芯无集屑槽；C型无芯、有集屑槽；D型：无芯、无集屑槽。可与其它排屑装置联合使用，组成不同形式的排屑系统。

特点: 安装方便，工作可靠，推进速度选择范围大，可按用户要求选择；

应用领域: 各种机床及机床安放空间比较狭窄的地方。

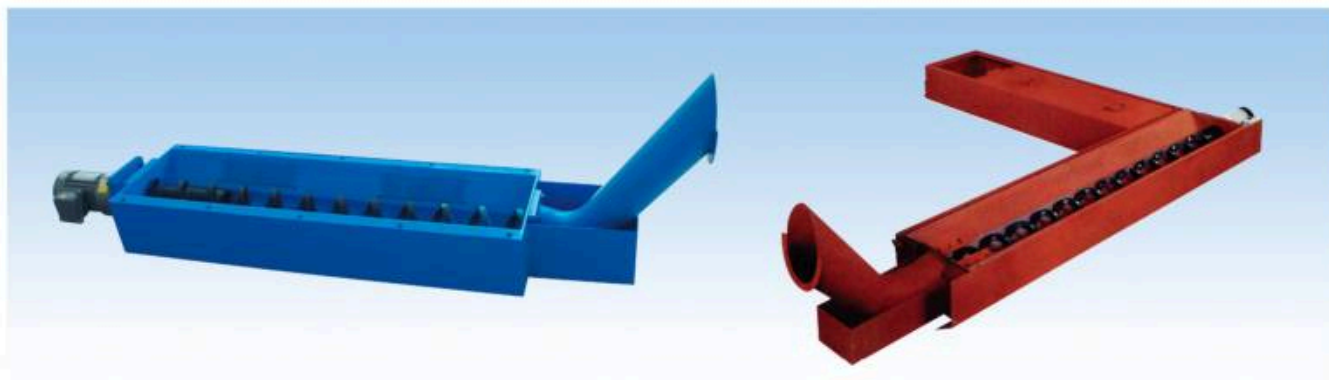


型号 Model	螺旋体直径 ϕD	螺旋体节距 P	整体长度 L	排屑量 C
HRLX-80	80	72	用户自定	150
HRLX-100	100	100		180
HRLX-120	120	122		210



YSLX系列螺旋式排屑机

YSLX screw type conveyor



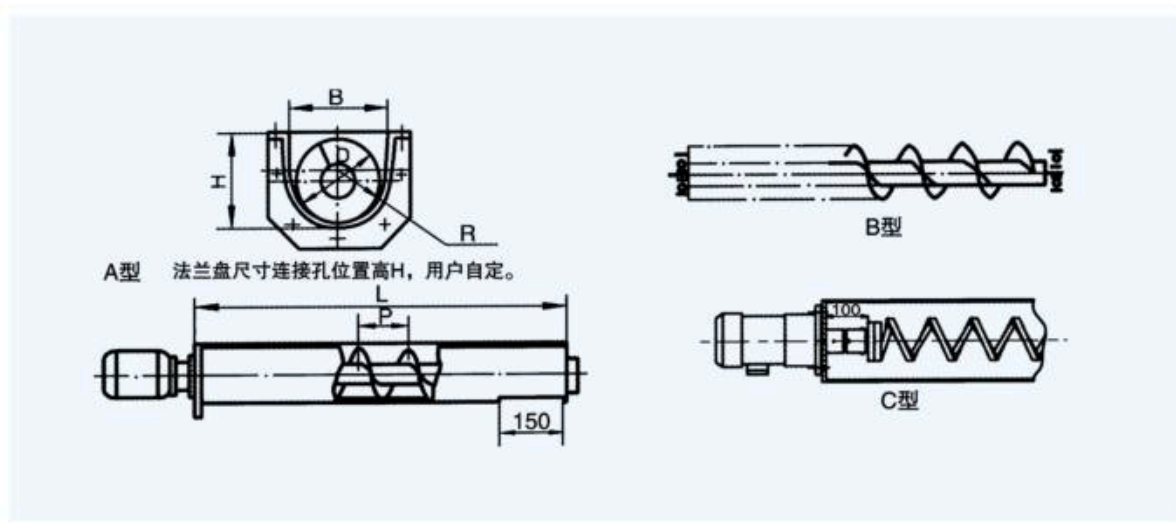
型 号: YSLX70、YSLX80、YSLX100、YSLX150、YSLX200

产品说明: 可处理金属、非金属材料所切削下来的粉状、颗粒状或较短切屑, 可根据需要选择A型: 有芯、有集屑槽; B型: 有芯无集屑槽; C型: 无芯、有集屑槽; D型: 无芯、无集屑槽。可与其它排屑装置联合使用, 组成不同形式的排屑系统。

产品性能、特点: 安装方便, 工作可靠, 推进速度选择范围大, 可按用户要求选择;

适 用: 可用于各种机床及机床安放空间比较狭窄的地方。

定货指南: 请提供型号及排屑机长度。



型号	螺旋外径D	排屑槽宽B	螺距P	R	H	L(m)	电机功率kw	排屑量kg/h
YSLX70	70	90	80	45	用户 自定	0.60~3.00	0.10	70~100
YSLX80	80	100	80	50		0.60~5.00	0.10~0.37	90~130
YSLX100	100	120	100	60		0.80~6.00	0.10~0.75	120~180
YSLX150	150	180	100	90		1.00~10.00	0.10~0.75	150~220



裙边皮带输送机 Skirt belt conveyor

- 裙边皮带输送机其结构是在平行橡胶运输带两侧粘上可自由伸缩的橡胶波形立式裙边，在裙边中间又粘有一定强度和弹性的横幅组成匣形斗，使物料斗中进行连续输送。裙边皮带输送机可广泛用于煤炭、粮食、建材、化工、水电、机械和冶金等部门。在环境温度为 $-19\sim+40^{\circ}\text{C}$ 范围内，输送堆积比重为 $0.5\sim 2.5\text{T/M}^3$ 的各种散状物料。对于有特出要求的物料、需采取特出的挡边输送带。目前我厂主要生产的裙边皮带输送机宽分别为B400、B500、B650、B800四种。裙边输送机输送角度 $0\sim 90^{\circ}$ 范围内。
- The structure of skirt belt conveyor is on the both sides of parallel rubber conveyor belt stick with the skirt which is vertical waveform and can freely adjustable rubber , in the middle of the conveyor belt' s edge stick with the banner which have a certain strength and elasticity to make of box-type bucket, then the material in the bucket can be continuously transported. Skirt belt conveyor can be widely used in coal, food, building materials, chemical industry, water and electricity, metallurgical machinery etc. departments. The usage environmental temperature is 19 to $+40$ degrees, the scope of delivery is the materials with mass density between 0.5 to 2.5 T/M^3 . For the materials with unique requirements, special guard board of conveyor belt should be used. Now our factory mainly produces the skirt belt conveyors are four types skirt belt conveyors with width B400 B500 B650 B800. The conveying angle of Skirt conveyor within $0\sim 90$ degrees.

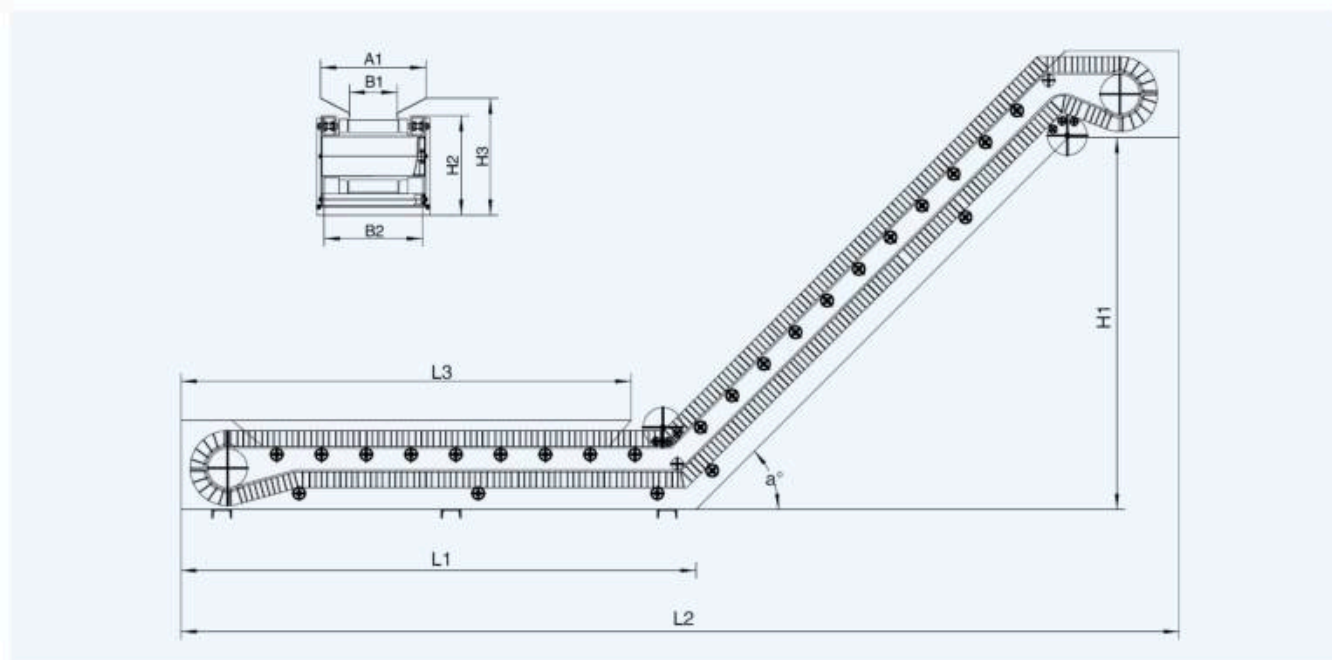




裙边皮带输送机 Skirt belt conveyor

裙边皮带输送机外形尺寸图

Overall Dimensions Drawing of Skirt belt conveyor



规格与选配 Datasheet for choosing size

型号 Type	尺寸 Dimensions	L1	L2	L3	A1	B1	B2	H1	H2	H3	α
BZDBSSJ-100	$\leq 5M$	$\leq L$	$\leq 7M$	$\geq L$	180-550	300-1000			140	≥ 140	0-90°
BZDBSSJ-130	$\leq 8M$		$\leq 10M$						190	≥ 190	
BZDBSSJ-170	$\leq 15M$		$\leq 18M$						240	≥ 240	
BZDBSSJ-210	$\leq 25M$		$\leq 28M$						290	≥ 290	
BZDBSSJ-X											



T型



C型



TC型

基带宽、挡边高等参数匹配关系 Specification datasheet

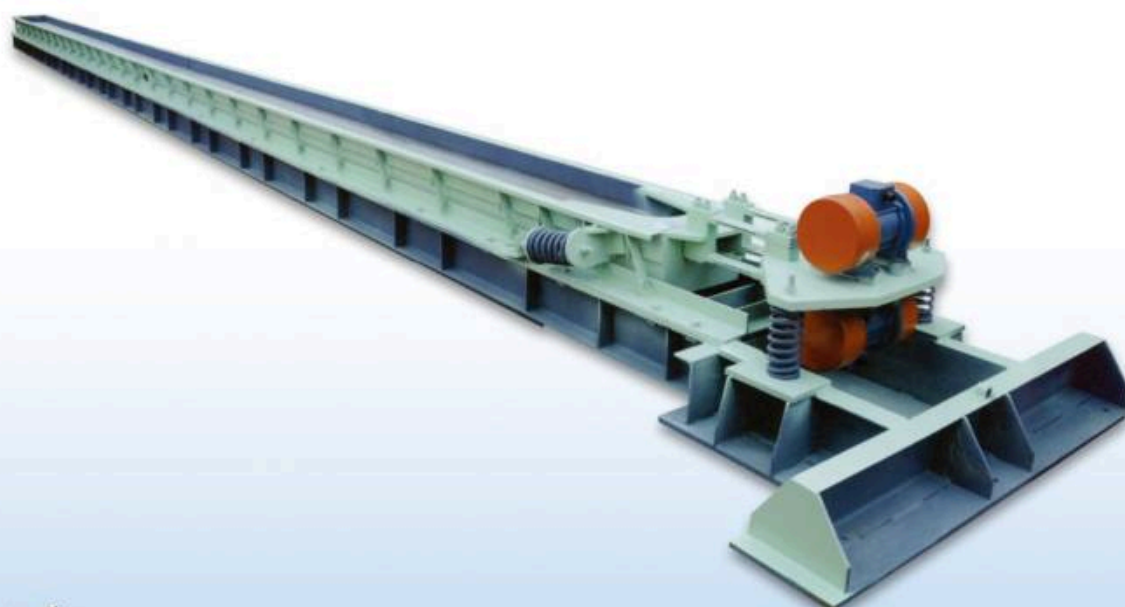
基带宽B Belt width	挡边高H Sidewall height	横隔板高H1 Cleat height	波底宽B1 Wave bottom width	有效带宽B2 Effective belt width	空边宽B3 Empty width
400	60	55	50	180	60
	80	75			
	100	90			
500	80	75	50	250	75
	100	90			
	120	110			
650	100	90	50	350	100
	120	110			
	160	140	75	300	
800	120	110	75	460	120
	160	140			
	200	180			



ZDP-A(B)型平面振动式排屑机

ZDP-A(B) type plane vibrating debris removal unit

- ZDP-A(B)型系列平面振动式排屑机，通过偏心振动或振动电机来完成，不受排屑物品限制。对各类金属、非金属杂质成品块状、片状碎屑及粉末状均有良好的输送功能。
- ZDP-A(B) type plane vibrating debris removal unit is operating via eccentric vibration or vibrating motor. It is not limited by the types of the debris to be removed. This unit can work excellently in transmission of block-like debris of metal or non-metal impurities and of powder debris and of flake debris.



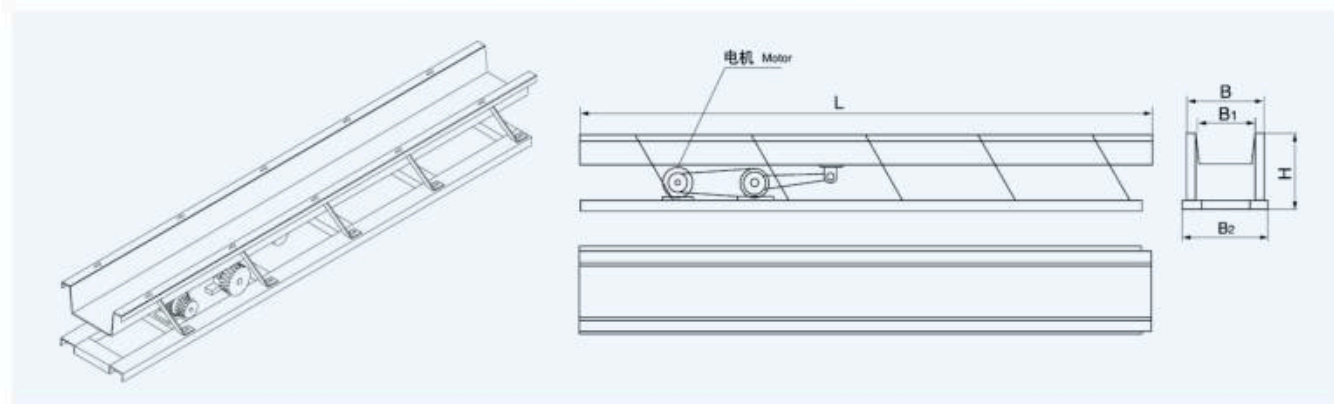


ZDP-A(B)型平面振动式排屑机

ZDP-A(B) type plane vibrating debris removal unit

ZDP-A型平面振动式排屑机外形尺寸图

Overall Dimensions Drawing of ZDP-A type plane vibrating debris removal unit

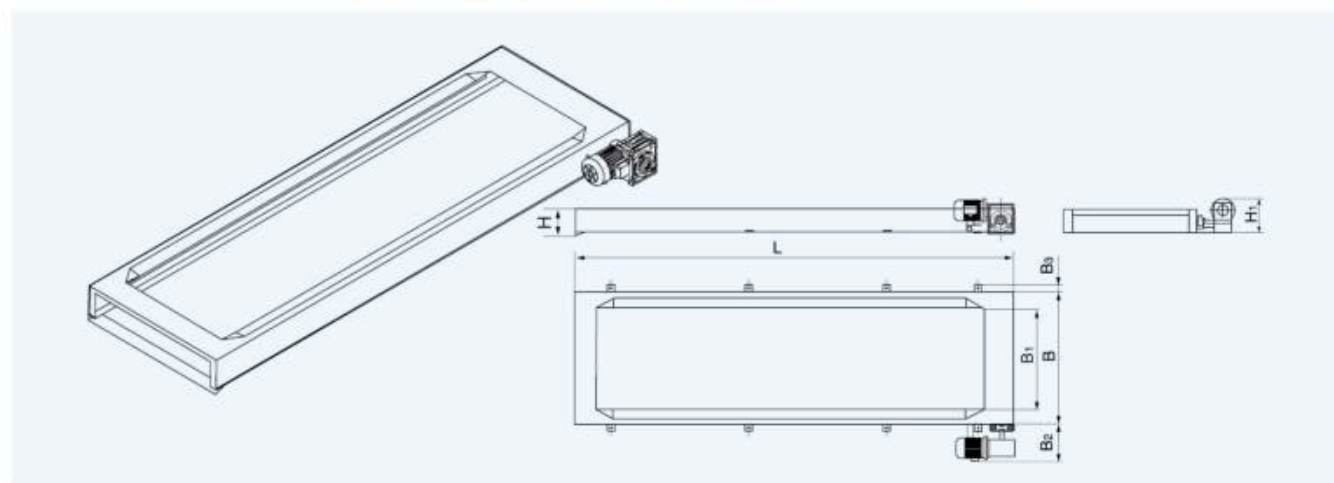


技术参数Technical parameters

主要技术参数 Main Technical Parameters									
代号Code	L	B	B ₁	B ₂	H	电机功率	排屑量 Kg/h	输送物料名称	外壳
名称	总长度	外壳宽度	有效接屑宽度	底座宽度	总高度	KW	Debris	Name of	颜色
Name	Total	Shell	Effective width of	Width of the	Total	Motor	discharge	materials	Shell
尺寸	length	width	debris removal	baseplate	height	power	amount	to be transmitted	Color
Dimensions									

ZDP-B型平面振动式排屑机外形尺寸图

Overall Dimensions Drawing of ZDP-B type plane vibrating debris removal unit



技术参数Technical parameters

单位:mm

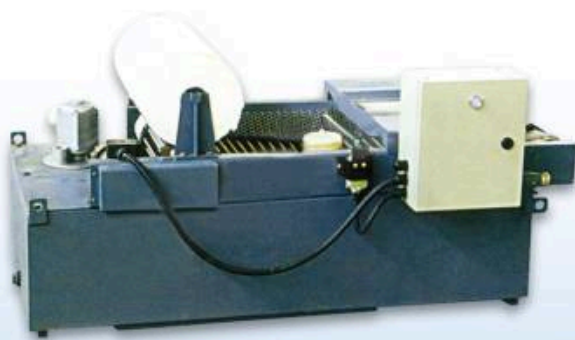
主要技术参数 Main Technical Parameters											
代号Code	L	B	B ₁	H	B ₂	B ₃	H ₁	电机功率	运行速度	输送物料名称	外壳颜色
名称	总长度	外壳宽度	有效接屑宽度	水平高度	电机与外壳距离	固定座宽度	总高度	KW	米/分钟	Name of	Shell
Name	Total	Shell	Effective width of	Horizontal	Distance between	Width of the	Total	Motor	Operating	materials	Shell
尺寸	length	width	debris removal	height	motor and case	fixed baseplate	height	power	Speed m/min	to be transmitted	Color
Dimensions											



ZGA型纸带过滤机

ZGA type paper tape filter

- ZGA型系列纸带过滤机由液箱、集污箱、过滤无纺布/纸带、减速机、传动机构、发讯机构、液泵等几部分组成。这种过滤机利用纸带的过滤作用，来清除冷却液中的金属和其它非金属杂质。保证切削液的清洁度，冷却液的使用期限比原来提高10-20倍，使加工件表面质量得以提高。该纸带过滤机的过滤效果达到98%，可实现自动控制，是各种型号磨床、珩磨机等精加工机床配套的理想附件。
- ZGA type paper tape filter is consisting of filtrate collector, dirt accumulator, filtering non-woven cloth/paper tape, reduction gear, transmission gear, message releasing device and liquid pump etc. Metals or non-metal impurities in the cooling solution shall be removed by the paper tape. In this way, the cutting solution can be kept clean and the service life of the cleaning solution can be raised as much as 10-20 times. The efficiency of the paper tape is 98%, which is an ideal element for all type of grinding machines and honing machines.



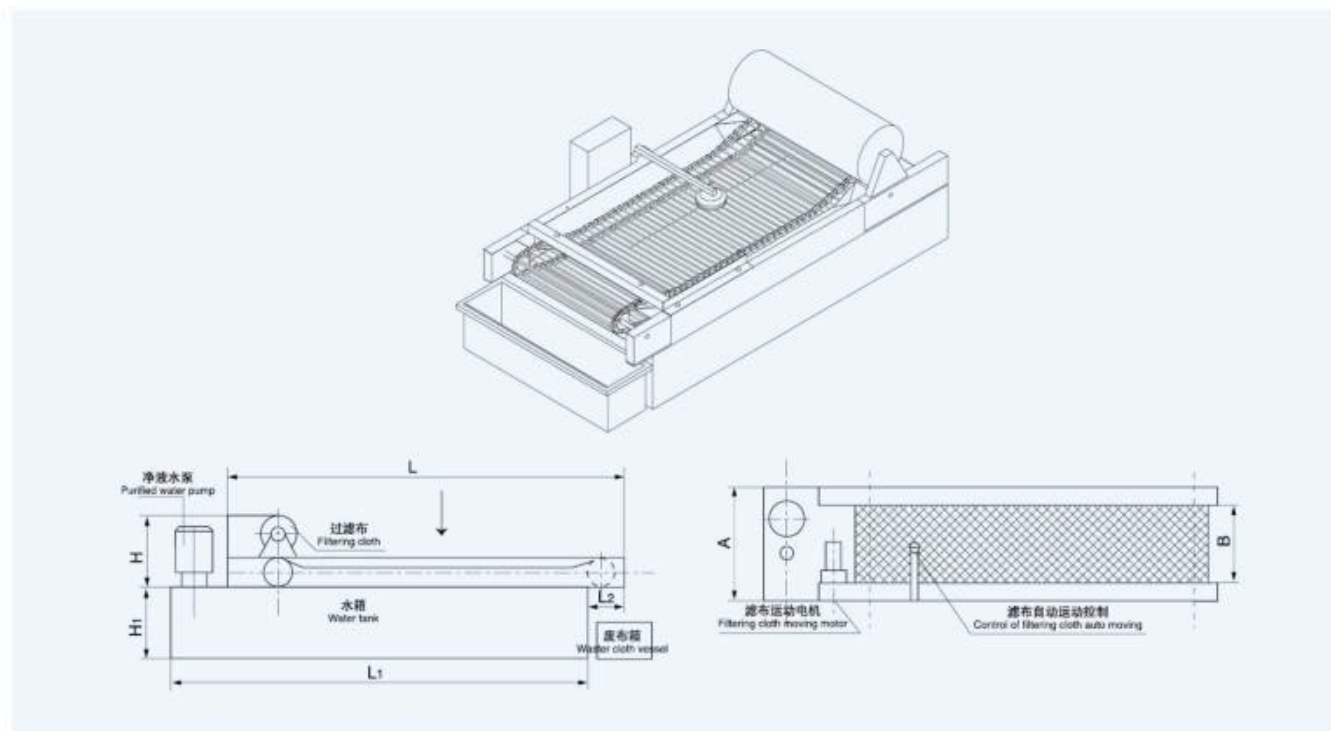


ZGA型纸带过滤机

ZGA type paper tape filter

ZGA型纸带过滤机外形尺寸图

Overall Dimensions Drawing of ZGA type paper tape filter



技术参数 Technical parameters

单位:mm

尺寸 Dimensions 型号 Type	主要技术参数Main Technical Parameters					辅助技术参数Auxiliary Technical Parameters			
	流量L/min Flowrate	宽度A Width	滤布宽度B Width of the filtering cloth	过滤机长度L Length of the filter	过滤机高度H Height of the filter	水箱高度H1 Height of water tank	水箱长度L1 Length of water tank	过滤机伸出长度L2 Extended length of the filter	过滤精度um Accuracy of filtration
ZGA-25	25	400	320	800	350	≥ 200	≤ 1000	100	3.5-5
ZGA-50	50	600	520	800	350		≤ 1000	100	
ZGA-75	75	600	520	1000	350		≤ 1300	100	
ZGA-100	100	800	720	1200	350		≤ 1500	100	
ZGA-150	150	800	720	1500	350		≤ 1800	100	
ZGA-200	200	1100	1000	1500	400			150	
ZGA-250	250	1100	1000	1800	400			150	
ZGA-300	300	1100	1000	2200	400			150	
ZGA-400	400	1100	1000	2500	400			150	
ZGA-500	500	1400	1200	2800	550			150	
ZGA-600	600	1400	1200	4000	550			150	
ZGA-800	800	1600	1500	3600	550			200	
ZGA-1000	1000	1600	1500	4500	550			200	
ZGA-1200	1200	2000	1800	4500	600			200	
ZGA-1500	1500	2000	1800	5500	600			200	

注：水箱外形尺寸用户根据使用现场面积确定，如果对冷却液温度有要求，可以在水箱上加上恒温装置。

该过滤机为全自动动作，不需人工操作。

Note: The overall dimensions of the water tank can be finalized according to the actual floorage at the jobsite. If there is any requirements to the cooling liquid, thermostat element can be installed in the water tank.

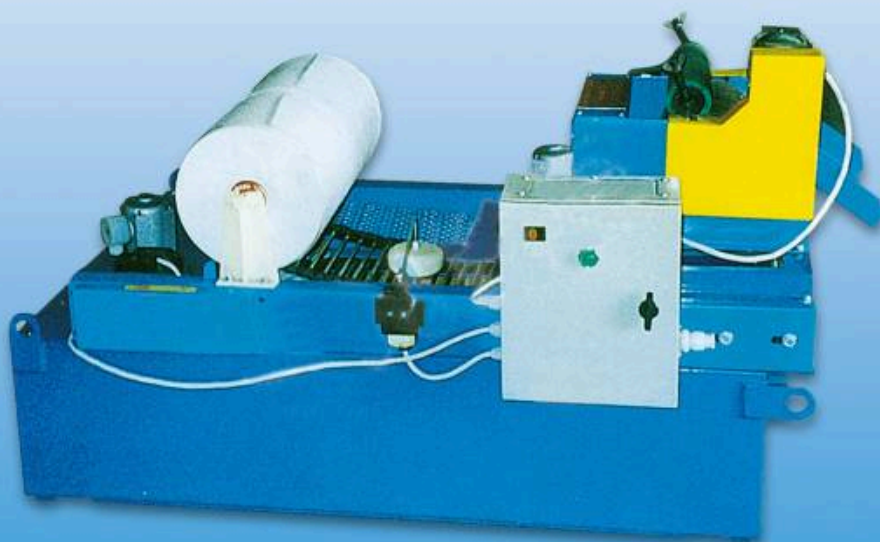
This filter shall operates automatically, needs no operators attended.



ZCB型磁辊纸带过滤机

ZCB magnetic roller type paper tape filter

- ZCB型系列磁辊纸带过滤机由液箱、集污箱、过滤无纺布/纸带、磁辊分离装置、减速机、传动机构、发讯机构、液泵等几部分组成。这种过滤机是在ZGA型纸带过滤机的基础上增加了磁性分离器，使切削液实现了二级过滤，使一部分磁性屑被磁性分离器过滤掉，与纸带过滤机相比使用性能更佳，并减少了纸带的消耗。该过滤机造型美观，结构紧凑使用它可降低环境污染，提高工效，是各种型号磨床、珩磨机 etc 精加工机床配套的理想附件。
- ZCB type magnetic roller paper tape filter is consisting of filtrate collector, dirt accumulator, filtering non-woven cloth/paper tape, magnetic roller separating device, reduction gear, transmission gear, message releasing device and liquid pump etc. Based on ZGA type paper tape filter, this unit is equipped with additional magnetic separator, which realizes two stage filtration. Compared with paper tape filter, this unit functions better and reduces the consumption of paper tape. This filter has nice looking and is in a compact structure. In this way, it will improve the environmental protection and raise the working efficiency. So, it is an ideal component for all types of grinding machines and honing machines.



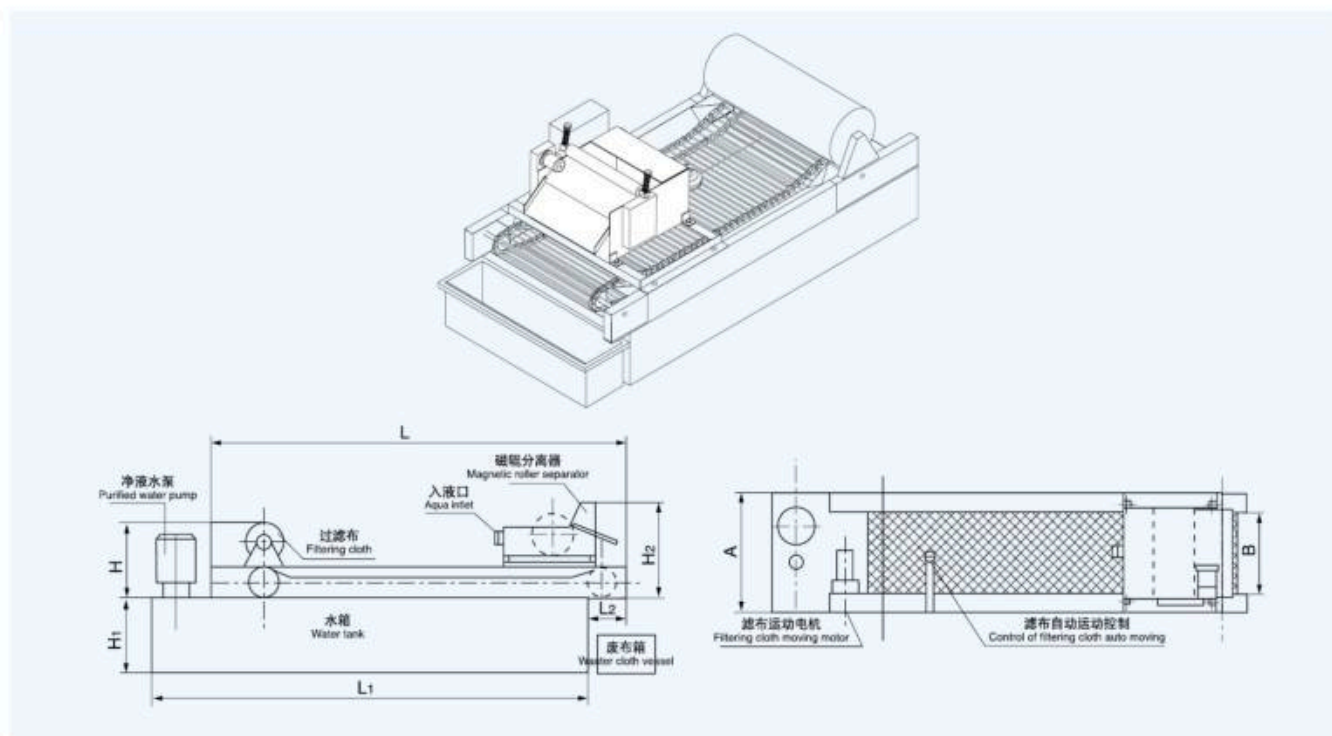


ZCB型磁辊纸带过滤机

ZCB magnetic roller type paper tape filter

ZCB型磁辊纸带过滤机外形尺寸图

Overall Dimensions Drawing of ZCB magnetic roller type paper tape filter



技术参数 Technical parameters

单位:mm

尺寸 型号 Type	主要技术参数 Main Technical Parameters						辅助技术参数 Auxiliary Technical Parameters			
	流量 L/min Flowrate	宽度 A Width	滤布宽度 B Width of the filtering cloth	过滤机长度 L Length of the filter	入水口直径 Diameter of water inlet	过滤机高度 H Height of the filter	水箱高度 H1 Height of water tank	水箱长度 L1 Length of water tank	过滤机伸出长度 L2 Extended length of the filter	过滤精度 um Accuracy of filtration
ZCB-25	25	400	320	800	G2	520	≥ 200	≤ 1000	100	3.5-5
ZCB-50	50	600	520	800	G2	520		≤ 1000	100	
ZCB-75	75	600	520	1000	G2	520		≤ 1300	100	
ZCB-100	100	800	720	1200	G2	520		≤ 1500	100	
ZCB-150	150	800	720	1500	G2	520		≤ 1800	100	
ZCB-200	200	1100	1000	1500	G2	550			150	
ZCB-250	250	1100	1000	1800	G3	550			150	
ZCB-300	300	1100	1000	2200	G3	700			150	
ZCB-400	400	1100	1000	2500	G3	700			150	
ZCB-500	500	1400	1200	2800		700			150	
ZCB-600	600	1400	1200	4000		700			150	
ZCB-800	800	1600	1500	3600		1080			200	
ZCB-1000	1000	1600	1500	4500		1080			200	
ZCB-1200	1200	2000	1800	4500		1080			200	
ZCB-1500	1500	2000	1800	5500		1080			200	

注：水箱外形尺寸用户根据使用现场面积确定，如果对冷却液温度有要求，可以在水箱上加上恒温装置。

该过滤机为全自动动作，不需人工操作。

Note: The overall dimensions of the water tank can be finalized according to the actual floorage at the jobsite. If there is any requirements to the cooling liquid, thermostat element can be installed in the water tank.

This filter shall operates automatically, needs no operators attended.



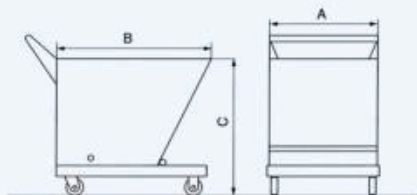
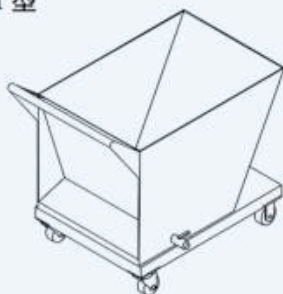
集屑车 (料斗)

Debris collecting wagon



- 集屑机 (料斗) 用于收集各种机床排屑装置传送下来的各种切屑, 集屑车 (料斗) 底部装有脚轮, 可将切屑送出工作场地, 便于集中清理。集屑车 (料斗) 分为干式与湿式两种, 干式料斗可以倾斜, 将切屑倒出即可, 湿式是在干式基础上加过滤板, 放液阀, 便于切屑中的切屑液与切屑分离, 起到回收环保作用。可根据不同排屑量, 不同用记的要求, 设计各种容积, 功能的集屑车 (料斗)。
- 加重脚轮, 耐磨耐油寿命长, 每台均配有定向轮, 万向轮, 轻便灵活。
- Debris collecting wagon (bunker) is used to collect the debris produced from all types of machine tools. The bunker is equipped with wheels on the bottom side, which enables sending debris out of the working place. The debris collecting wagon is divided into wet type and dry type. The dry type bunker can be tilted up to dump the debris and the wet type bunker is equipped with filtering plate and solution discharging valve so that debris can be separated from the cutting solution easily. The debris collecting wagon can be designed and made according to the requirements of the clients regarding regarding different volume and functions tec.
- PU heavy duty wheels, wearing and oil resistant long service life, each is equipped with directional wheel, universal wheel and is handy and flexible.

I 型

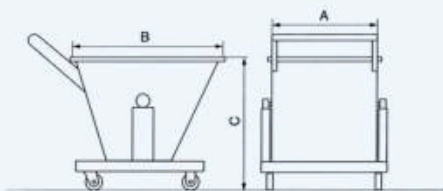
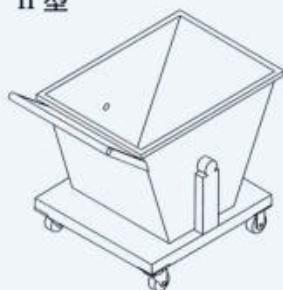


技术参数

单位: mm

代号 Code	A	B	C
尺寸 Dimensions	500	700	600
	700	1000	800

II 型

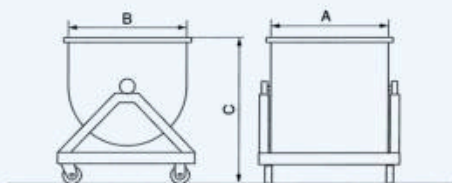


技术参数

单位: mm

代号 Code	A	B	C
尺寸 Dimensions	600	700	600
	800	900	800

III 型



技术参数

单位: mm

代号 Code	A	B	C
尺寸 Dimensions	600	500	600
	800	700	800