

精心铸造 · 江山多娇

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江山机械



无锡江山机械有限公司
WUXI JIANGSHAN MACHINERY CO.,LTD

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Company Profile 公司简介

无锡江山机械有限公司成立于2011年1月，是一家民营股份合资企业。

公司的主要产品为数控机床的伺服系统，切屑输送和机床切屑液的冷却、过滤、净化等装备。产品广泛应用于航空、军工、机床、发动机、汽车、船舶等制造业。

本公司拥有一支高效、专业、团结、敬业的团队，具备领先的专业技术和丰富的制作经验。

从市场营销到产品的开发设计，从产品的生产制作到客户现场的安装和售后服务，公司实施先进的管理体系。本着“优质的产品、满意的服务、行业的先导”的公司质量方针，以生产高品质的产品和提供完善的售后服务，来满足用户多样化的需求。

本公司成立以来，已经为全国上百家知名的大型国有机械企业、外商独资和中外合资机械企业、大中型民营机械企业提供了产品和配套服务。我们的目标是成为机械行业内的最佳战略合作伙伴。

我们将以自己的品牌和信誉，让客户能真切地感受到：风景这边独好，江山如此多娇！

旗下子公司—无锡杰艾思机电设备有限公司

公司主要从事排屑机、切屑液过滤装置及配件的销售并提供技术咨询、设备安装、维修和保养服务等业务。

Wuxi Jiangshan Machinery Co., Ltd. was founded in January 2011, is a private joint-stock joint venture.

The company's main products are CNC machine tool servo system, chip conveying and machine tool chip liquid cooling, filtering, purification and other equipment. Products are widely used in aviation, military industry, machine tools, engines, automobiles, ships and other manufacturing industries.

The company has an efficient, professional, united, dedicated team, with leading professional technology and rich production experience.

From marketing to product development and design, from product production to customer site installation and after-sales service, the company implements advanced management system. In line with the company's quality policy of "high-quality products, satisfactory services, industry leaders", to produce high-quality products and provide perfect after-sales service to meet the diverse needs of users.

Since its establishment, the company has provided products and supporting services to hundreds of well-known large state-owned machinery enterprises, wholly foreign-owned and Sino-foreign joint venture machinery enterprises, large and medium-sized private machinery enterprises. Our goal is to become the best strategic partner in the machinery industry.

We will use our own brand and reputation, so that customers can truly feel: The scenery here is unique, The world is so charming!



江山机械

Corporate Culture

企业文化



The Company Concept

Harmony, Diligence,
The sense of shame
Safety, Quality, Efficiency

公司理念

和谐 勤奋 知耻
安全 质量 效率

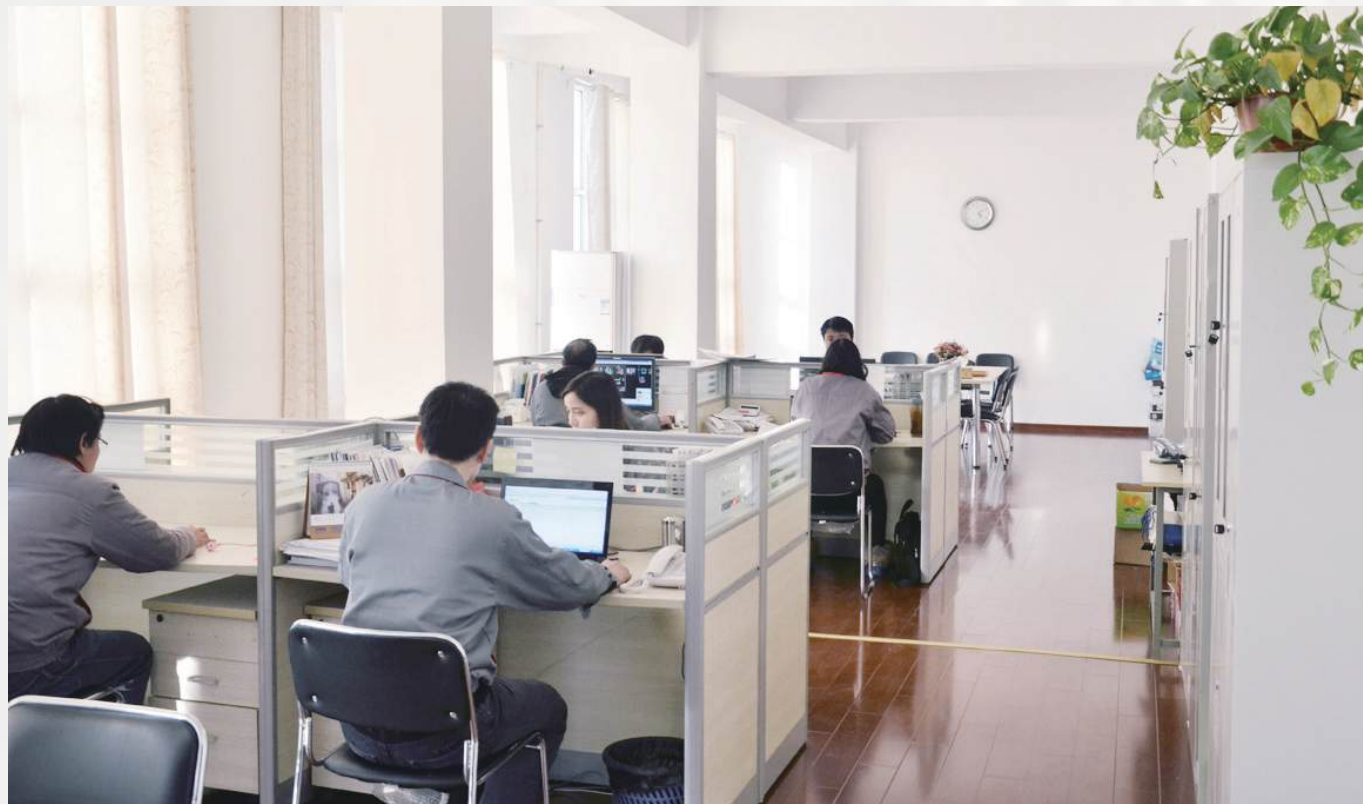


The Company Quality Policy

High quality products
Satisfactory service
The industry leader

质量方针

优质的产品
满意的服务
行业的先导



公司精神

精心铸造 江山多娇



The Company Spirit

Careful manufacturing
The world is so charming



Production Equipment 生产设备



激光切割机 / Laser cutting machine

龙门式飞行光路结构，双边同步驱动技术，轻质量的铸铝合金横梁，实现高速运行，快速切割。X、Y轴定位速度达120m/min，加速度达10m/s²，切割加工精度±0.1mm。

切割头配置非接触式电容传感器，始终保持割嘴与板面的距离符合设定要求，对板料无划伤，保证工件质量。

配置GAGOR数控及数字伺服系统，双工作台自动交换。

Gantry flying optics structure bilateral synchronous drive technology, light-weight cast aluminum alloy beams, to achieve high-speed operation and fast cutting. X,Y axis positioning speeds of up to 120m/min, acceleration up to 10m/s². Cutting accuracy of ±0.1mm.

The cutting head configuration non-contact capacitive sensor, always maintain a distance of the cutting nozzle plate surface to meet the set requirements, no scratch sheet to ensure the quality of the workpiece.

To configure GAGOR CNC and digital servo systems. Automatic exchange through the double bench.



数控折弯机 / CNC bending machine

滑块采用上动式折弯设计，双导轨结构运行更平稳，Y1，Y2的平行公差为±0.01mm。

挠度补偿量由数控系统自动设定，保证长折弯角度一致。

液压系统先进的全闭环电液伺服同步控制系统。

后定位系统采用数字式交流伺服电机驱动，滚珠丝杠传动，直线导轨导向。适合生产多道折弯，高精度工件。

The bending design of the slider on acting and dual rail structure running more smoothly, Y1, Y2 parallel tolerance of ±0.01mm.

Deflection compensation amount is automatically set by the NC system, to ensure the long bending angle.

Advanced closed-loop electro-hydraulic servo hydraulic system synchronization control system.

After positioning system using digital AC servo motor drive, ball screw, linear guide. Suitable for the production of multi-channel bend, high-precision workpiece.

数控剪板机 / CNC shearing machine

安装数控系统，对后挡料进行编程控制，并对行程进行快速精确定位，系统显示后挡料的精确距离，定位精度达±0.15mm。

刀片间隙快速调整机构，可对刀口间隙进行无极调整。

Install the numerical control system control back gauge programming, and stroke for rapid precise positioning, backgauge system displays the exact distance, the positioning accuracy of ±0.15mm.

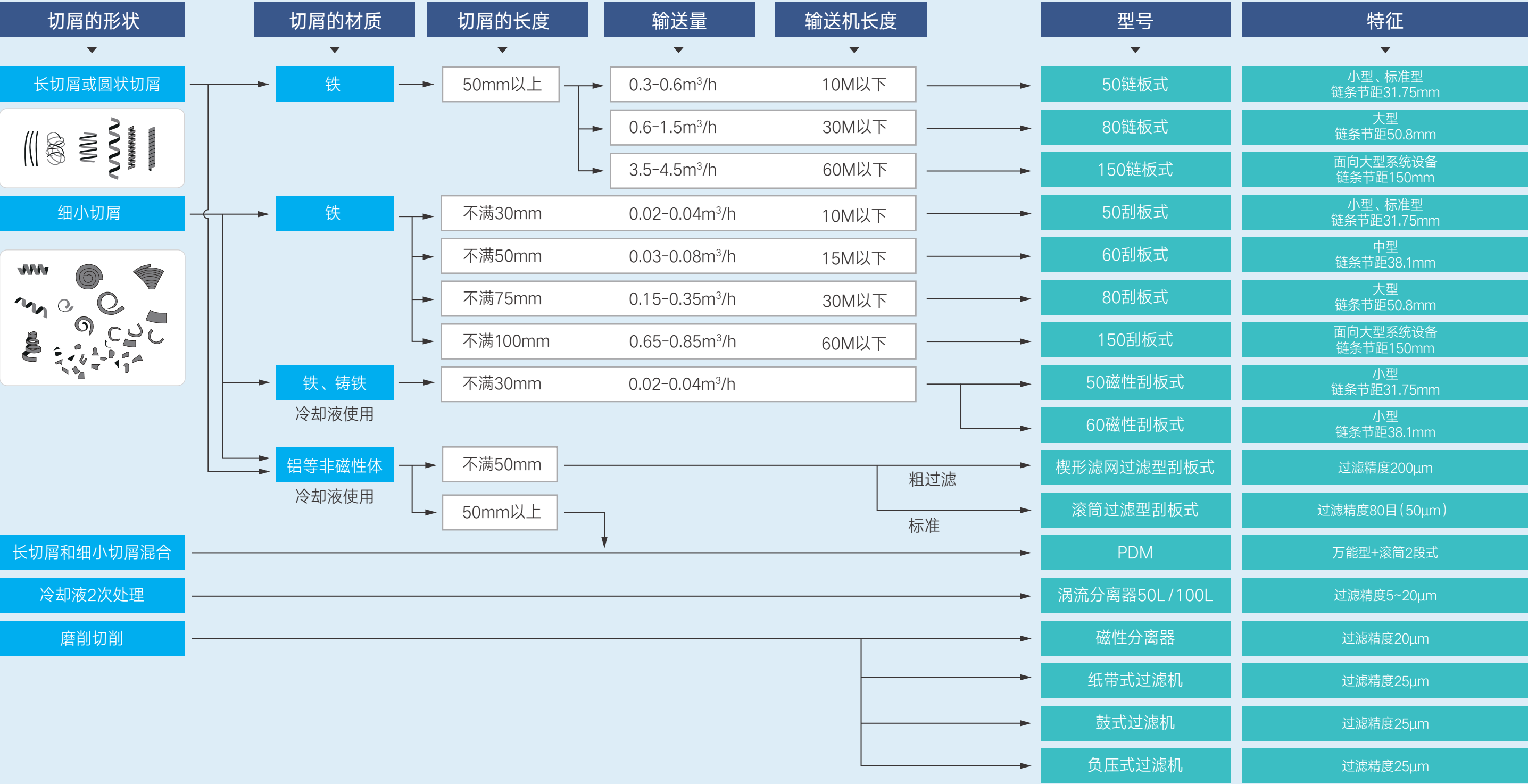
The blade gap quickly adjusting mechanism, stepless adjustment of the knife-edge gap.



Company's Products

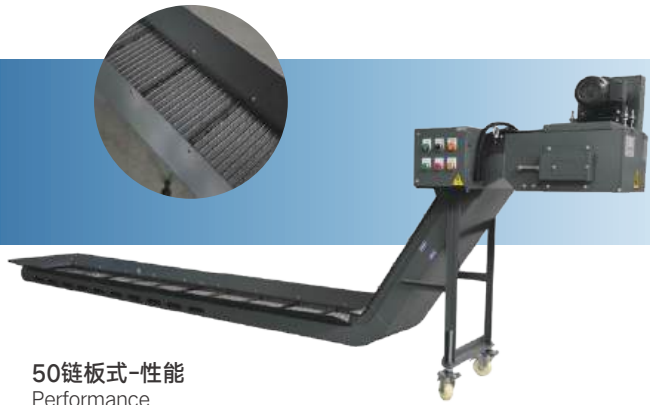
产品篇

■ 排屑过滤装置选型图



链板式排屑机

Hinge Plate Type Chip Conveyor



50链板式

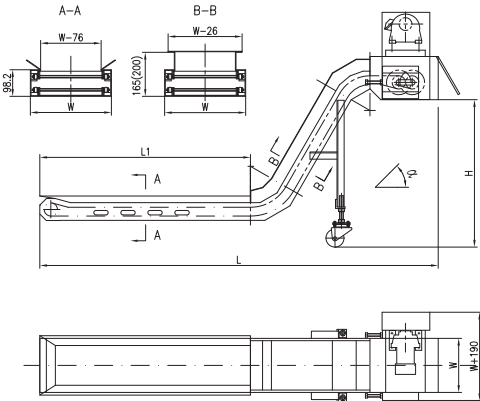
Hinge plate type chip conveyor 50

- 适合长切屑（50mm以上）和圆形切屑的输送
- 适合范围较大
- 输送长度在10m以内
- 链板的厚度 t=2.3mm 节距31.75mm

- Suitable for the conveying of long cutting chips (Exceed 50mm)and circular cutting chips.
- Suitable for cutting machinery with large rotating range, such as slewing table and machining center.
- Suitable for cutting scrap with conveying length within10m.
- The thickness of hinge plate t=2.3mm p=31.75mm.

外形图

Outline Drawing



80链板式

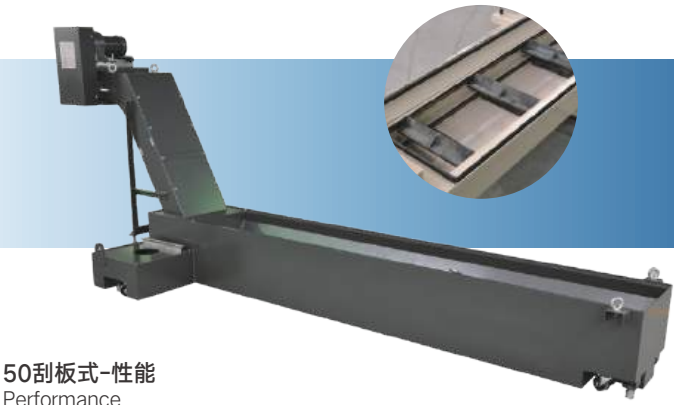
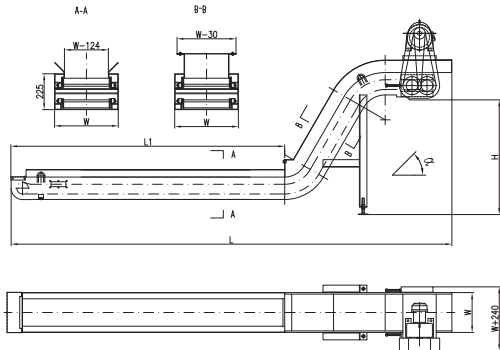
Hinge plate type chip conveyor 80

- 适合长切屑（50mm以上）和圆形切屑的输送
- 适合大量切屑
- 全长30米以内的切屑输送
- 链板厚度 t=3mm 节距50.8mm

- Suitable for the conveying of long cutting chips (Exceed 50mm)and circular cutting chips.
- Transportation for a vast of scraps.
- Transportation for over 30m of total span of scraps.
- The thickness of hinge plate t=3mm p=50.8mm.

外形图

Outline Drawing



50刮板式-性能

Performance

减速电机 Geared Motor	0.2KW 4P AC 220/380V
链条 Chain	C2052H 节距31.75mm
输送速度 Conveying Rate	0.9m/min [50Hz], 1.1m/min [60Hz]
搬送量 Conveying Capacity	W=300时 0.24m³/h [50Hz] 0.30m³/h [60Hz]
安全装置 Safety Device	扭矩限制器+接近开关 Torque limiter+approaching switch
切屑要求 Scrap Requirements	细切屑(不满30mm) Fine scrap (less than 30mm)
选配装置 Optional Device	电气控制箱 中空轴型齿轮传动马达 扭矩限制器+接近开关型安全装置 冷却液回收装置（可以把附在切屑上的冷却液高效回收使用） 楔形滤网 铁素体磁石 Electric control box Sleeve shaft type geared motor Torque limiter + Approaching switch type safety device Coolant recovery device (for high-efficiency recycling of coolant attached on cutting scrap) Wedge filter type Magnetic scraper

50刮板式-各部位的尺寸

Dimension of various parts

W	250,300,350,400,450,500,550,600
α	30°, 45°, 60°, 75° (α=0°的直线型也可制作)
H	α=60°时 231以上
L	10000以下
L1	410以上

60刮板式-性能

Performance

减速电机 Geared Motor	0.2KW 4P AC 220/380V
链条 Chain	C2062H 节距38.1mm
输送速度 Conveying Rate	1.1m/min [50Hz], 1.3m/min [60Hz]
搬送量 Conveying Capacity	W=300时 0.02m³/h
安全装置 Safety Device	扭矩限制器+接近开关 Torque limiter+approaching switch
切屑要求 Scrap Requirements	细切屑(不满50mm) Fine scrap (less than 50mm)
选配装置 Optional Device	电气控制箱 中空轴型齿轮传动马达 扭矩限制器+接近开关型安全装置 冷却液回收装置（可以把附在切屑上的冷却液高效回收使用） 楔形滤网 铁素体磁石 Electric control box Sleeve shaft type geared motor Torque limiter + Approaching switch type safety device Coolant recovery device (for high-efficiency recycling of coolant attached on cutting scrap) Wedge filter type Magnetic scraper

60刮板式-各部位的尺寸

Dimension of various parts

W	250, 300, 350, 400, 450, 500, 550, 600,
α	30°, 45°, 60°, 75° (α=0°的直线型也可制作)
H	α=60°时 231以上
L	15000以下
L1	410以上

刮板式排屑机

Scraper Type Chip Conveyor

50刮板式

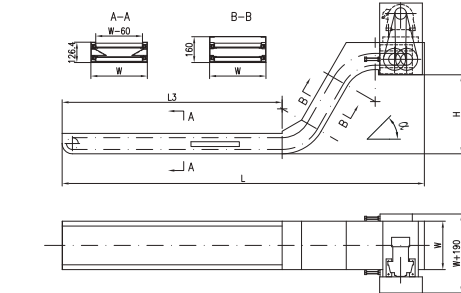
Scraper Type Chip Conveyor 50

- 最适用于铁、铸铁系的细切屑（不满30mm）
- 适用于加工中心等的切屑处理
- 部件少，容易维修保养
- 全长10米以内的切屑输送
- 可使用磁铁吸引磁性切屑，对冷却液进行粗过滤
- 可选通过楔形滤网过滤非磁性切屑

- Most suitable for fine scraps of iron or cast iron materials (less than 30mm).
- Suitable for scrap processing of machining center.
- Fewer components,easier maintenance.
- For conveying chip with total length of 10m.
- Attract magnetic scrap for conveying and filtering with strong magnetic field of permanent magnetic materials.
- Non-magnetic chips can be filtered through a wedge-shaped filter screen.

外形图

Outline Drawing



60刮板式

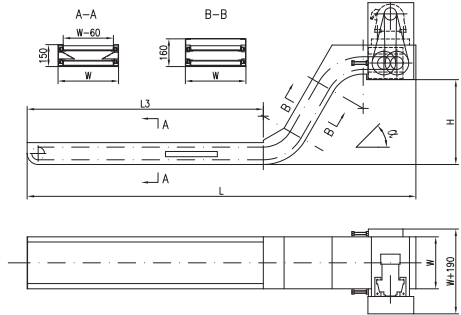
Scraper Type Chip Conveyor 60

- 最适用于铁、铸铁系的细切屑（不满50mm）
- 适用于加工中心等的切屑处理
- 部件少，容易维修保养
- 全长15米以内的切屑输送
- 可使用磁铁吸引磁性切屑，对冷却液进行粗过滤
- 可选通过楔形滤网过滤非磁性切屑

- Most suitable for fine scraps of iron or cast iron materials (less than 50mm).
- Suitable for scrap processing of machining center.
- Fewer components, easier maintenance.
- For conveying chip with total length of 15m.
- Attract magnetic scrap for conveying and filtering with strong magnetic field of permanent magnetic materials.
- Non-magnetic chips can be filtered through a wedge-shaped filter screen.

外形图

Outline Drawing



刮板式排屑机

Scraper Type Chip Conveyor

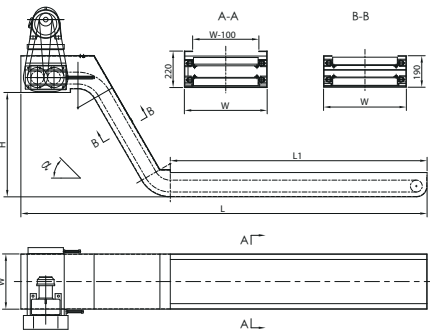
80刮板式

Scraper Type Chip Conveyor 80

- 适用于铁、铸铁的细小切屑 (小于75mm)
- 可排送长度 30 米
- Suitable for treating the scraps (less than 75mm) of steel and cast-iron.
- Transportation for 30m total span scraps.

外形图

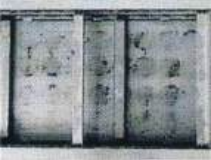
Outline Drawing



磁性刮板式

Magnetic scraper type

- 适合于磁性的细小粉状切屑 (不满 30mm)
- 使用磁铁吸引磁性切屑，对冷却液进行粗过滤
- Suitable for small powdered scrap of magnetic substance (less than 30mm).
- Attract magnetic scrap for conveying and filtering with strong magnetic field of permanent magnetic materials.



楔形刮板式

Wedge scraper type

- 适合于铝等漂浮于冷却液中的非磁性切屑(不满50mm)
- 对冷却液进行粗过滤，精度约200μm
- Suitable for aluminum and the like floating in the cooling liquid of non-magnetic chip (less than 50mm).
- The coolant coarse filtration accuracy of about 200μm.



80刮板式-性能

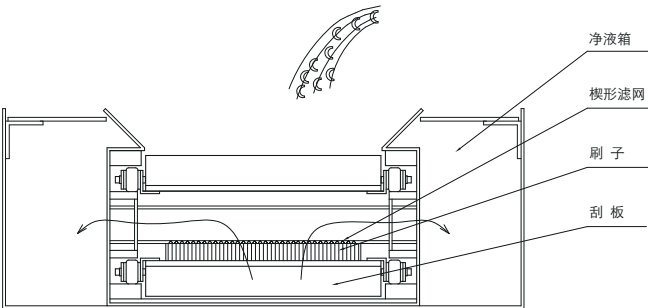
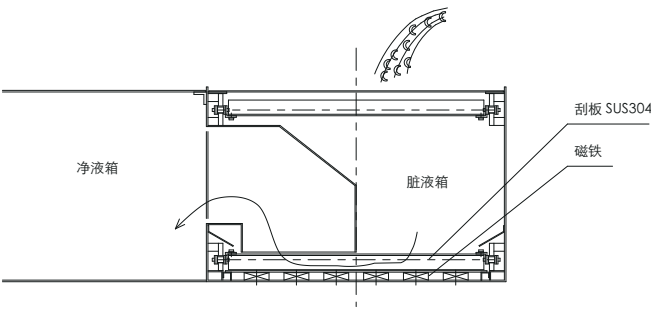
Performance

减速电机 Geared Motor	0.4KW 4P AC 220/220V 0.75KW 4P AC 220/380V 1.5KW 4P AC 220/220V	$\alpha=0^\circ$; $\alpha=45^\circ, 60^\circ$ $\alpha=0^\circ$; $\alpha=45^\circ, 60^\circ$	L = 15000不满 L = 20000不满 L = 15000以上 L = 20000以上
链条 Chain	C 2082H 节距50.8mm		
输送速度 Conveying Rate	0.75KW时 3.5m/min [50Hz], 4.2m/min [60Hz]		
输送量 Conveying Capacity	0.75KW $\alpha=60^\circ$, W=350时 0.2m³/h [50Hz]		
安全装置 Safety Device	扭矩限制器+接近开关 Torque limiter+approaching switch		
切屑要求 Scrap Requirements	短切屑 (不满75mm) Short scraps (less than 75mm)		
选配装置 Optional Device	电气控制箱 中空轴型齿轮传动马达 扭矩限制器+接近开关型安全装置 冷却液回收装置 (可以把附在切屑上的冷却液高效回收使用) 楔形滤网 铁素体磁石 Electric control box Sleeve shaft type geared motor Torque limiter + Approaching switch type safety device Coolant recovery device (for high-efficiency recycling of coolant attached on cutting scrap) Wedge filter type Magnetic scraper		

80刮板式-各部位的尺寸

Dimension of various parts

W	250, 300, 350, 400, 450, 500, 550, 600,
α	45°, 60°
H	$\alpha=60^\circ$ 时 400以上
L	30000以下
L1	450以上



滚筒过滤型刮板式排屑机+高压水箱装置

Complex of coolant filtering unit with multiple types of accessories PD filtering drum + High pressure coolant tank



性能

Performance

减速电机 Geared Motor	0.2KW 4P AC 220/380V				
链条 Chain	C2062H 节距38.1 mm				
输送速度 Conveying Rate	1.0m/min[50Hz], 1.2m/min[60Hz]				
输送量 Conveying Capacity	0.03-0.12m³/h				
安全装置 Safety Device	扭矩限制器+接近开关 Torque limiter+approaching switch				
切屑要求 Scrap Requirements	细小切屑 (不满50mm) Fine scrap(less than 50mm)				
过滤网 Filter Screen	80目 (50μm)				
精过滤 Precision Filtration	20μm (高压部分)				
处理流量 Processing Traffic	W=401.8	W=501.8	W=601.8	W=701.8	W=801.8
Φ600	330L/min	470L/min	600L/min	730L/min	870L/min
Φ400	200L/min	275L/min	300L/min	400L/min	400L/min
过滤器逆洗 (0.05Mpa以上)	40L/min	50L/min	60L/min	70L/min	80L/min
选配装置 Optional Device	电器控制箱 冷却液泵 水位仪 油水分离器 铁素体磁石 Electric control box coolant pump nilometer oil-water separator Magnetic scraper				

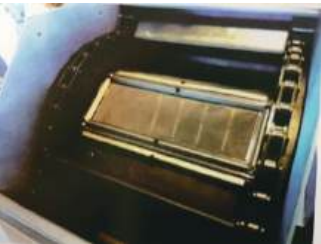
各部位的尺寸

Dimension of various parts

W	401.8, 501.8, 601.8, 701.8, 801.8	L	2500以上
h	280以上	a	W=106.4以下
H	460以上	b	200以上
A	W+500以上	E	根据高压泵流量设定 Set up as per the capacity of the high pressure pump
C	2000以上		

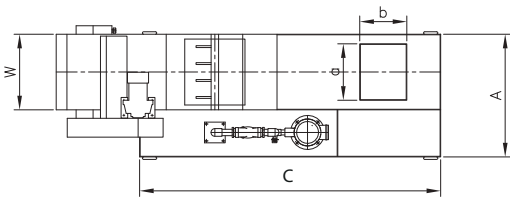
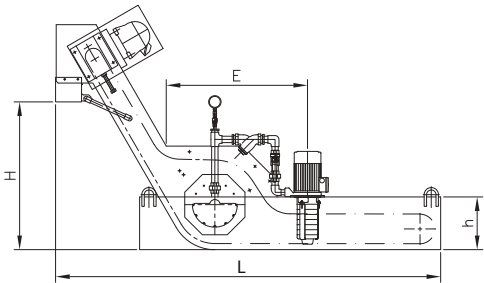
- 把各种过滤器和滚筒过滤式排屑机组合起来，使之成为高精度的冷却过滤装置
- 把高压水箱装置也组合成一体
- 可配置多种类型的冷却泵
- 提高过滤能力，延长冷却液的使用寿命

- High precision coolant filtering unit combined with PD type chip conveyor and various filters.
- Integrated with high pressure coolant tank.
- Possible for various types of coolant pumps.
- Filtering capacity increased,service time of coolant extended.



外形图

Outline Drawing



切屑液过滤和净化装置

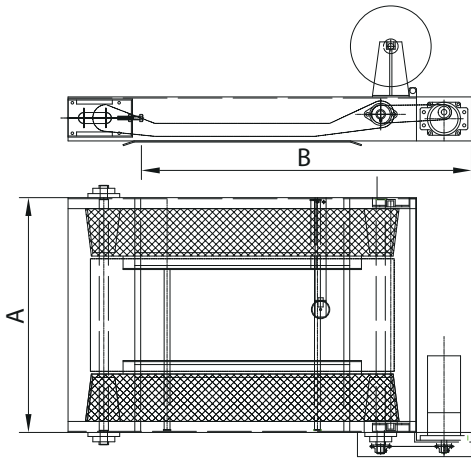
Coolant Filtration Equipment and Purification plant

纸带过滤机

Paper filter

- 适合过滤冷却液中的细微切屑
- 使用在磨床，研磨机等精加工机床
- Suitable for the filtration of the cooling liquid of the subtle iron filings.
- Use the grinder, grinding machines and other finishing machines.

外形图
Outline Drawing



工作原理
Principle

机器能实现滤纸的自动更换，滤纸更新后电机停止转动，进入下一步工作过滤循环。
The machine can achieve automatic replacement of the filter paper, Motor stops rotating filter paper updated, to enter the next step filtration cycle.

磁辊分离器选型表
Selection Table

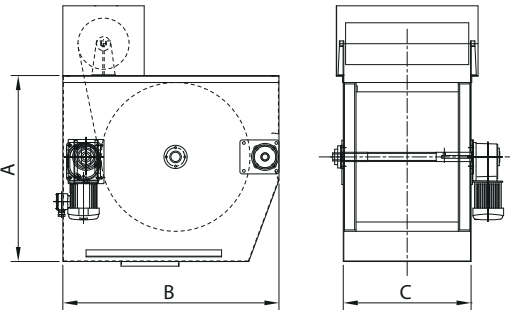
处理流量 Processing Traffic	A	B
50L	1000	650
100L	1400	850
200L	2000	1150

鼓式过滤机

Drum filter

- 适合过滤冷却液中的细微切屑
- 比纸带过滤机节约空间，提高滤布的利用率
- Suitable for the filtration of the cooling liquid of the subtle iron filings.
- Save space, improve the utilization of the filter cloth.

外形图
Outline Drawing



鼓式过滤器选型表
Selection Table

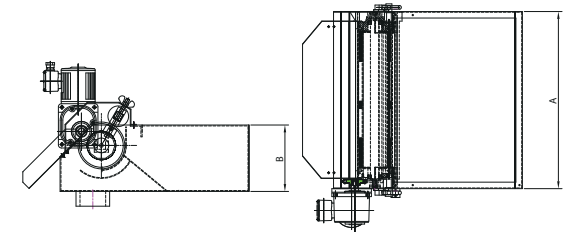
处理流量 Processing Traffic	A	B	C
250L	800	930	550
350L	800	930	750
500L	1000	1130	750
750L	1000	1130	1000

磁性分离器

Magnetic coolant separator

- 适合过滤冷却液中的磁性细微切屑
- 使用在磨床，研磨机等精加工机床的初次过滤
- Suitable for small powdered scrap of magnetic substance.
- Initial use in grinding machines, grinding machines and other finishing machines filter.

磁性分离器外形图
Outline Drawing



切屑液过滤和净化装置

Coolant Filtration Equipment and Purification plant

磁性分离器原理
Principle

减速机带动磁辊转动，含有磁性的粉末状切屑被吸附到磁辊外壁上，再经过胶辊碾压，将夹带的液体挤出，最后刮板将切屑与磁辊分离。
Motor driven magnetic stainless steel drum to rotate, containing a powdery magnetic chip is adsorbed to the outer wall of magnetic stainless steel drum, and then through the rubber roller pressing, the entrained liquid extrusion, the last blade of the chip with the magnetic stainless steel drum separation.

磁性分离器选型表
Selection Table

处理流量 Processing Traffic	A	B
50L	220	150
100L	450	150
200L	400	220
300L	500	220
400L	600	220
500L	700	220

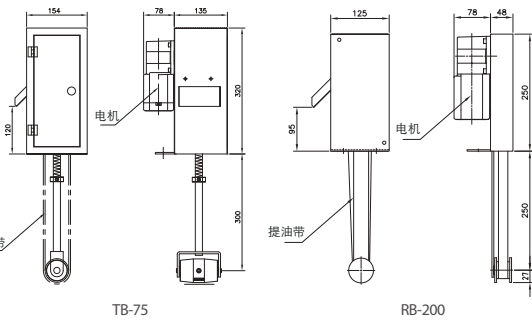
油水分离器

Oil mist separator

- RB-200
- 特殊的皮带，提高浮油回收率
 - 不会造成冷却液的过度回收
 - 专用于冷却液水箱，不能用于高温环境
 - Special belt to improve the tall oil recovery.
 - Not cause excessive recycling of the cooling liquid.
 - Dedicated to the cooling liquid tank, and cannot be used for high-tem perature environment.
- TB-75
- 结构简洁，维护方便
 - 使用耐腐蚀性和耐热性材料，洗净机的使用效果更高
 - Simple structure, easy maintenance.
 - More effective use of the use of the corrosion resistance and heat resistant material, the washing machine.



油水分离器外形图
Outline Drawing



涡流分离器

Cyclonic separator

- 适合冷却液的二次过滤
- 节约空间，无耗材
- 可根据流量进行并联设计
- Suitable cooling liquid secondary filter.
- Save space and no consumables.
- According to the traffic in parallel design.

结构及工作原理
Principle

从流入口进入的液体边涡流状下降，边通过离心力分离异物。分离的异物沿着椎体内壁下降，和液体一起从下部喷嘴排出。另外，分离了异物的液体在下部喷嘴部位形成上升涡流，向流出口排出。
The liquor filld from inflow entrance will fall in cyclonic shape and at the same time will separate foreign objects through centrifugal force. The separated foreign objects will fall along with the internal wall of cone and then be discharged from the lower nozzle together with liquor. Futhermore, the separated liquor will form the rising whirlpool at the lower nozzle, which will be vent out from air outlet.



性能
Performance

型号 Type	处理流量 Processing Traffic	分离精度 Precision of Separation	流入口 Entrance	净液出口 Net outlet	脏液出口 Outlet of dirty liquid
HA-50II	30~50L/min	5~20μm	RC1/2	RC1	RC1
HA-100II	70~100L/min		RC1	RC1	RC1

使用条件
Service Conditions

对象液 Coolant Objects	水溶性切削液，磨削液 Water soluble coolant,grinding coolant,etc.
适用粒子 Suitable Particles	铸件切削粉，砂轮粉，铁类磨削粉 Particles of foundry,grinder,etc.
粒子比重 Density of Particles	和液体的比重差为1.5以上 1.5 times or more than of the coolant
粒子直径 Diameter of Particles	必须进行500μm以下的前道处理 Must be pre-treated into less than 500μm
流入压力 Inlet Volume	0.2MPa~0.35MPa
流入量 Inlet Volume	处理流量 x 1.2以上 1.2 times or more than the treated volume

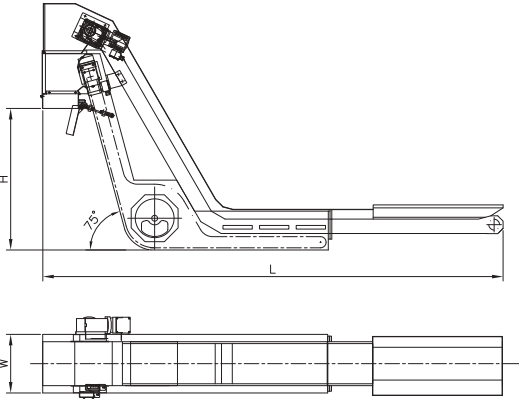
PDM过滤逆洗型复合式排屑机

PDM Filter Backwash Type Compound Chip Conveyor

- 适合长切屑与细小屑混合情况下的切屑处理
 - 用200目滤网多角形滚筒过滤器过滤冷却液
 - 用逆洗冷却液的自动清洗机构连续过滤
- Suitable for treating mixture of long scrap and tiny scrap.
 - Coolant wNI be filtered using polygonal drum filter with 200 mesh filter screen.
 - Filtering operation will be continuously processed using back-washing coolant automatic cleaning mechanism.



外形图
Outline Drawing



性能（上部排屑机）
Performance (Upper Chip Conveyor)

减速电机 Geared Motor	0.2KW 4P AC 220/380V
链条 Chain	C2052HP 节距31.75mm
输送速度 Conveying Rate	0.2KW时 1.0m/min[50Hz], 1.2m/min[60Hz]
输送量 Conveying Capacity	0.2KW, W=400时 0.32m³/h[50Hz] 0.4m³/h[60Hz]
安全装置 Safety Device	扭矩限制器+接近开关 Torque limiter+approaching switch
切屑要求 Scrap Requirements	长切屑 (50mm) 以上 Long chips (over 50mm)

各部位的尺寸
Dimension of various parts

W	400, 600, 800
H	600以上
L	1450以上

性能（下部过滤机）
Performance (Lower Filter)

减速电机 Geared Motor	40W 4P AC 220/380V		
链条 Chain	C2050H 节距31.75mm		
输送速度 Conveying Rate	1.1m/min[50Hz], 1.4m/min[60Hz]		
输送量 Conveying Capacity	W=600时 0.07m³/h		
切屑要求 Scrap Requirements	非磁性的细小切屑 (不满30mm) Little non-magnetic scrap (less than 30mm)		
过滤网 Filter Screen	200目 (200µm)		
处理流量 Processing Traffic	140L/min 40L/min 0.1Mpa以上 W=400	210L/min 60L/min 0.1Mpa以上 W=600	280L/min 80L/min 0.1Mpa以上 W=800
选配装置 Optional Device	电器控制箱 冷却液泵 水位仪 油水分离器 Electric control box coolant pump nilometer oil-water separator		

冷却液的使用流量按照切屑的种类和材质的不同而进行选择

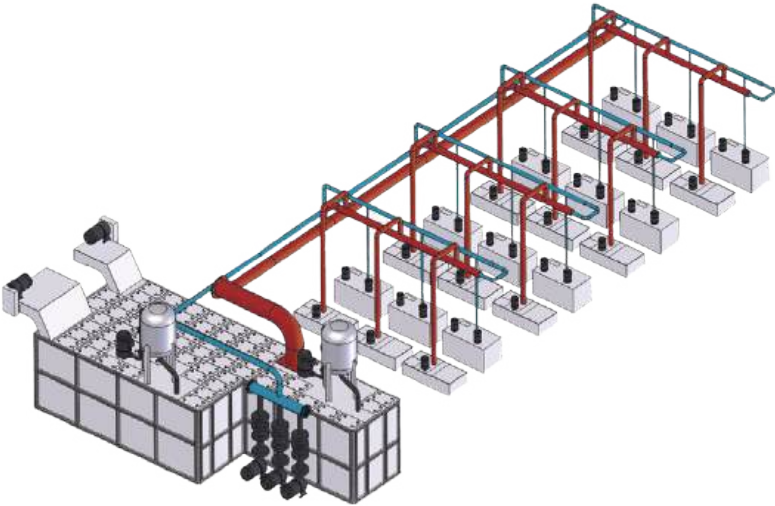
集中处理装置

Collecting treat system of coolant by pump

冷却液集中处理装置

Collecting treat system of coolant by pump

- 通过一台泵处理由加工机床排出的切屑和冷却液
- 连接各种机器的冷却液槽与集中过滤槽的连接管安装在空中
- 各种机器的冷却液槽和集中过滤槽能够自由配置
- 多台加工器能够配置紧凑
- 不需要地坑，能够降低工厂施工费用



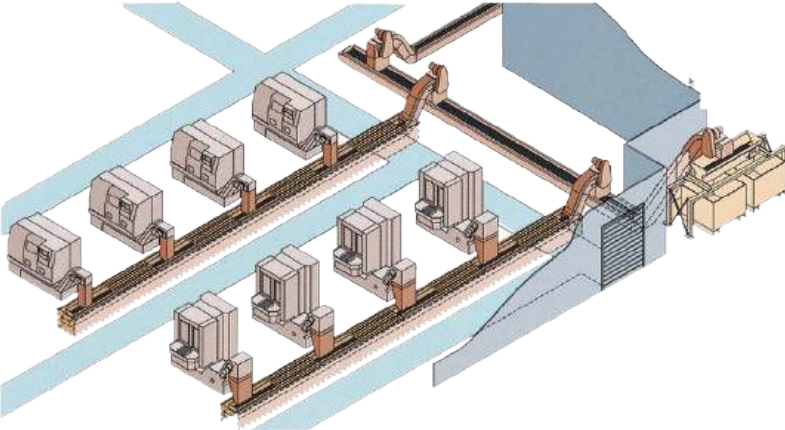
- Treat the scrap and coolant discharged from cutting machine via a pump
- The pipes connecting the varbus coolant tanks of machine and collecting filter tank are installed on the of ceiling .
- The coolant tanks and collecting filter tank can be layout freely
- Many machines can be installed compactly
- Pit is not necessary ,so that the construction cost of factory can be down

集中排屑装置

Concentrated chip conveying system for the integrated set of equipment

集中输送装置是在一个车间里设置一条主输送装置和若干支线输送装置。机床产生的切屑由支线输送装置输送到主输送装置，再由主输送装置输送到切屑集中处理处。

Concentrated delivery device is in a workshop setting a main conveying device and a number of regional transport device. Machine produced by the regional transport device chip conveying to the main conveying equipment again from the main conveying equipment delivery to chip in the central treatment



Typical customer 典型客户



Typical case 典型案例

