

诚信务实 顾客至上 Credible First, Customer First
www.nbdlf.com



宁波德励福自动化设备有限公司
Ningbo DELIVER automation equipment Co.Ltd

地址 : 宁波市江北区甬江工业区兴甬路252号
ADD: No.252 Xingyong RD,Yongjiang industrial park, Jiangbei,Ningbo,China
电话 Tel : 0574 - 26959909
传真 Fax : 0574 - 26959906
网址 Web : www.nbdlf.com
邮箱 EMAIL : dlfzdh@163.com
diflang@163.com
邮编 ZIP CODE : 315021



DELIVER AUTOMATION

AUTOMATION SORTING EQUIPMENT

宁波德励福自动化设备有限公司
Ningbo DELIVER automation equipment Co.Ltd

专业 • 专心 • 专注

Professional Attentive Concentrative

国际品牌的品质与服务
International brand of Excellent performance and service



DELIVER AUTOMATION

诚信务实 顾客至上

Credible First, Customer First



德励福
DELIVER

企业简介 Introduction

宁波德励福自动化设备有限公司坐落于美丽的港城宁波，是一家专业设计、制造输送设备的厂家，公司主要产品为辊道输送机、皮带输送机、网带输送机、链板输送机、垂直提升机、伸缩皮带机、转弯机等非标输送设备。产品广泛应用于电商、快递、仓储、工矿、电子、食品烟草、医药、汽车等行业。

公司地理位置优越，位于江北区甬江工业区，毗邻329国道，交通便利。

公司的骨干人员有自动化设备研发、制造领域10年以上从业经历。工程师曾多次主持或参与设计、安装国内大型快递公司地级市中转场项目（包括天天快递、韵达快递、京东商城、百世汇通等），在项目中，包含超长直线运输、转弯、爬坡、伸缩、滑道等多种输送方式，需要设计人员丰富的经验和极高的技术水平。我们有强大的技术依托和丰富的自动化设备制造经验，可满足客户多元化的输送需求。

在致力于发展自身产品的同时，我们也密切关注客户的反馈，用我们的专业，为客户量身订做属于自己的输送设备，带给客户更好的使用体验。

以德立身，自励进取，是德励福人永远的追求；用我们的输送设备，将您的事业带上新的制高点，是德励福人永远的使命。

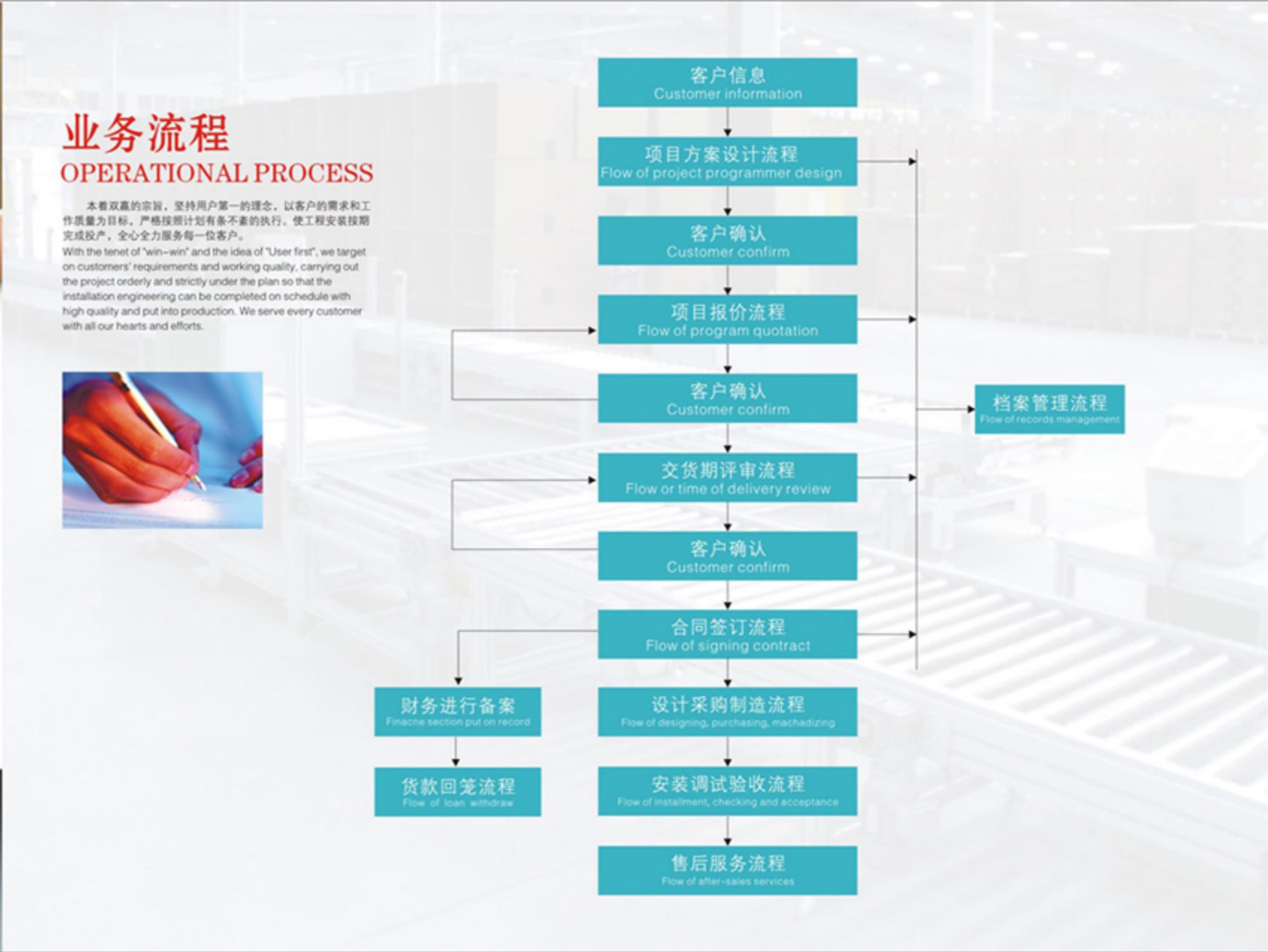
Ningbo DELIVER Automation Equipment Co. Ltd. is a professional manufacturer of conveying equipment in the splendid coastal city—NINGBO, CHINA. The company mainly design and manufacture: Gravity/Powered Roller Conveyors, Linear/Inclined Belt Conveyors, Modular Belt Conveyor, Telescopic Belt Conveyor, Slat Conveyors, Vertical Lifting Conveyors, Curve Conveyors, and many other tailor-made conveyors. The products are widely applied in various industries like E-business, express, warehousing, mining, electronics, food & tobacco, medicine, automobile, etc.

The factory owns an advantaged location in Jiangbei Yongjiang Industry Zone, which is right adjoined to the national highway #329, and only 11km from the Ningbo railway station, 24km from the Ningbo airport, and 36km from the Port of Ningbo.

The company boasts an experienced group in automation equipment industry, among which some key staff in R&D and manufacture have been in this field for over 10 years. The engineering team has ever hosted or joined in the design & installation of many great conveying projects in transit depot of express companies like Tiantian Express, Yunda Express, JD Mall, Best Express, etc, involving different demanding conveying forms of super-long straight, curve, upgrade, flex, slide and so on. With all these powerful technology talent support and glorious industry experience, the company is always capable and ready to meet customers' various conveying demands.

Meanwhile, the company is greatly serious and concerned about customer feedbacks, which is regarded as the key to update current products, innovate brand-new products, and create the best application experience.

Being virtuous and ambitious is the pursuit of DELIVER people; Being the assistance to bring your new career commanding height is the mission of DELIVER conveyors. Ningbo DELIVER Automation Equipment Co. Ltd. are always prepared and looking forward to a better future together with you!





合作伙伴 PARTNERS



目录 CONTENTS

输送设备系列

GENERAL CONVEYORS

福来轮伸缩机 FS (金属) FP (塑料)	Flexible Gravity Skate-Wheel Conveyor	01/02
动力滚筒伸缩机 DS	Flexible Motorized Roller Conveyor	03/04
无动力滚筒伸缩机 WS	Inflexible Gravity Roller Conveyor	05
顶升移载机构	Lift-and-Turn Device	06
滚筒输送机 GT	Roller Conveyor	07/08
平面皮带输送机 PP	Linear Belt Conveyor	09/10
倾斜皮带输送机 XP	Inclined Belt Conveyor	11/12
伸缩式皮带输送机 SSJ	Telescopic Belt Conveyor	13/16
抽屉式皮带输送机 CT	Lapped Drawer belt conveyor	17/18

转弯皮带输送机 WP	Belt Curve Conveyor	19/20
------------	---------------------	-------

转弯滚筒输送机 WG	Roller Curve Conveyor	21/22
------------	-----------------------	-------

网带输送机 WD	Modular Belt Conveyor	23/24
----------	-----------------------	-------

链板输送机 LB	Slat Chain Conveyor	25/26
----------	---------------------	-------

物流输送系统工程	Logistics System	27/28
----------	------------------	-------

出货设备系列	LOADING & UNLOADING CONVEYORS	
--------	-------------------------------	--

移动式装车输送机	Mobile loading conveyor ML-F/ML-D	29/30
----------	-----------------------------------	-------

提升机 TSZ / TSC	Vertical Lifting Conveyor	31/32
---------------	---------------------------	-------



福来轮伸缩机 FS (金属) FP (塑料) FS/FP Flexible Gravity Skate-Wheel Conveyor



技术参数 Technical Parameters

福来轮材料 Wheel Material	金属 FS	塑料 FP
输送面宽度 Effective Width (mm)	600	600
首尾节长度 Length of First/Las Sections (mm)	430~1250	430~1250
中间节长度 Length of Middle Sections (mm)	340~1100	340~1100
高度 Adjustable Height (mm)	700~1000 800~1200	700~1000 800~1200
单排轮数 Wheels/tow (pcs)	8	8
单元承载 Load Capacity (kgs/section)	40	40
自重/节 Dead Weight (kgs/section)	28	25

P.S.: SECTION means the length between two contiguous legs.



福来轮伸缩机体积小、重量轻，适合于输送底部平整的物品。多用于输送系统的弯道部分、合流部分，即可用来做水平方向的物品输送。可用于倾斜角度的物品输送，支脚通过转动手柄调节高度。即使在恶劣的地面上也能放平伸缩机，平稳运送货物。调节支脚高度，形成倾斜的输送平面，货物运送更流畅，减轻了操作人员工作强度。

Flexible Gravity Skate-Wheel Conveyor is often chosen to convey small & medium sized flat-bottom items in harbor, dock, warehouse/storehouse, factory, etc. It is extendable, retractable and bendable. It can take curves flexibly even in zigzag narrow aisles. The crossed skate-wheels make sure that the conveyed goods will be automatically oriented and not fall down from sides. The conveyor largely facilitates goods delivery work. Two types are available: 1: of steel skate-wheels (Model No.: ZLY-A), 2: of plastic (nylon) skate-wheels (Model No.: ZLY-B). Sold by SECTION*, conveyor length is optional; any length is available.



可伸缩，伸缩比：3:1，可以根据需要在最大长度范围内随意伸缩。
Freely extendable and retractable with an expansion ratio of 1:3

动力滚筒伸缩机 DS

Flexible Motorized Roller Conveyor



产品功能特点 FEATURES

- 单节一个动力: 60W STS电机, CE认证。
- 输送面采用了Φ50的单排O型带传动滚子。
- 伸缩角板采用折弯结构, 增加承载力。
- 单台配有一个电控箱, 标准电压: 单相AC 220V。
- Every section is equipped with one independent CE verified motor: 60W, STS brand.
- Φ50mm rollers are driven by high-quality O-shaped belt (SIEGLING brand applied).
- Curved joint plates with better figure and load.
- Controlled by one independent electrical box with Emergency Stop. Voltage is optional (Standard: 220V, AC, 1-PH).



可采用航空插头扩展联接
Plug connection to extend the length



伸展效果
Extension illustration

技术参数 Technical Parameters

型号 Model	DS
首尾节长度 Length of First/Last Sections (mm)	450~1100
中间节长度 Length of Middle Sections (mm)	400~1000
宽 Effective Width (mm)	600
高 Adjustable Height (mm)	700~1000
单元承载 Load Capacity (kgs/section)	40
输送速度 Speed (m/min)	10~18
滚筒/节 Rollers/section (pcs)	8
自重/节 Dead Weight (kgs/section)	45

p.s.: SECTION means the length between two contiguous legs.



成品油箱输送线
Applied in Box transport

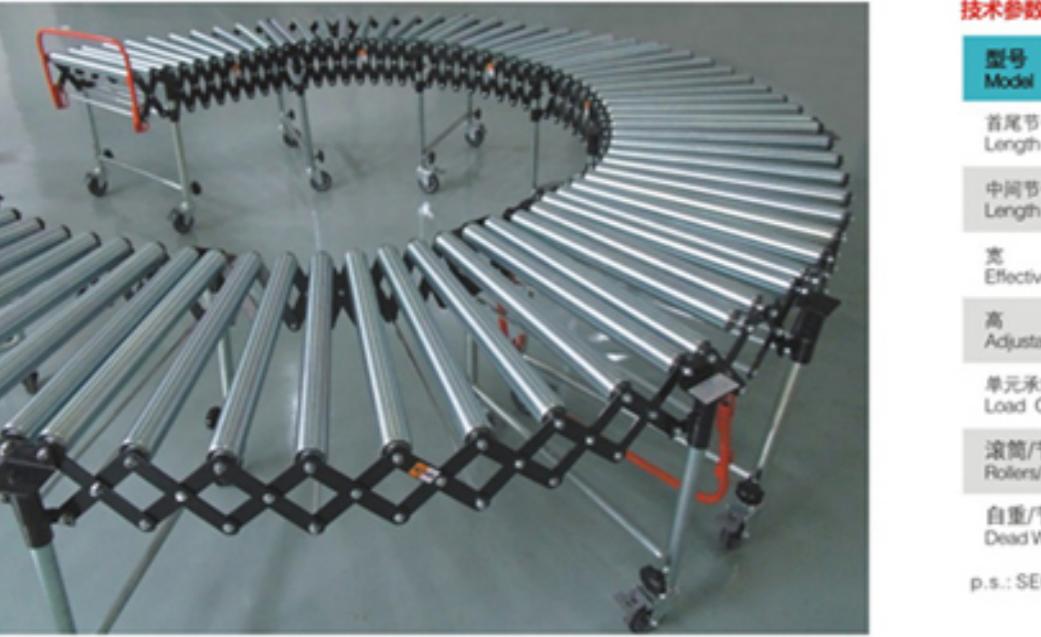


快递行业包裹输送
Applied in SF Express



环型滚筒输送线
Endless roller conveyor

无动力滚筒伸缩机 WS Inflexible Gravity Roller Conveyor



无动力滚筒输送机适用于适用于底部是平面的物品输送，如各类箱、包、托盘等；散料、小件物品，软袋包装物或不规则的物品需放在托盘上或周转箱内输送。具有输送量大，速度快，运转轻快，能够实现多品种共线分流输送的特点，可用多条滚筒线及其它输送设备或专机组成复杂的物流输送系统。

机架可选材质：碳钢、不锈钢、铝合金等。

滚筒材质类型：碳钢镀锌、碳钢镀铬、碳钢包胶、不锈钢、铝合金、PVC、ABS等。

Inflexible Gravity Roller Conveyor is one of the most common conveyors applied in conveying flat-bottomed items like cases, boxes and pallets. Small, soft, or irregular items are supposed to put on trays or other flat containers. This kind of conveyor is characterized with large and efficient distribution, convenient connection to other lines and easy maintenance.

Optional Frame Material: carbon steel (STANDARD), stainless steel, Aluminum, etc.

Optional Roller Material: zinc-plated steel (STANDARD), chrome-plated steel, rubber-coated steel, stainless steel, Aluminum, PVC, ABS, etc.

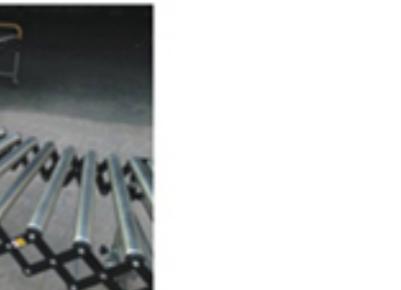
技术参数 Technical Parameters

型号 Model	WS
首尾节长度 Length of First/Last Sections (mm)	560~1250
中间节长度 Length of Middle Sections (mm)	460~1100
宽 Effective Width (mm)	600
高 Adjustable Height (mm)	700~1000
单元承载 Load Capacity (kgs/section)	40
滚筒/节 Rollers/section (pcs)	9
自重/节 Dead Weight (kgs/section)	42

p.s.: SECTION means the length between two contiguous legs.



无动力单滚伸缩机
Flexible gravity single roller conveyor



WS

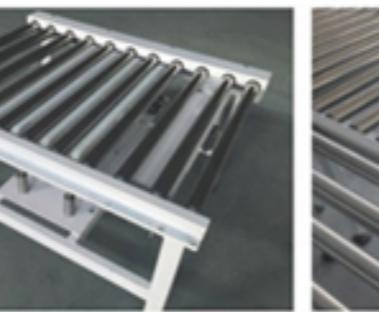
顶升移载机构 Lift-and-Turn Device

平移机构 转弯机构 顶升机构 移载机构此类机构主要与动力/无动力滚筒线、倍速线、皮带输送机等设备配套使用，实现工件自动平移、转弯、分流等动作，以解决线体与线体之间产品传送的衔接问题，提高线体的自动化程度。

Devices like moving, turning, lifting or shifting are usually used in conjunction with motorized/gravity roller conveyors, differential speed conveyors and belt conveyors so as to achieve actions of material moving, turning, diverting, etc. In this way, these subsidiary devices solve material transferring problems in conveyor connection and thus improve the degree of automation of conveyor systems.



十字转向旋转机构 Cross turning rotary device



90° 顶升移载机
90° Degree lift-and-turn device



90° 顶升移载机
90° Degree lift-and-turn device

滚筒输送机 GT Roller Conveyor



滚筒式输送机适用于底部是平面的物品输送。如各类箱、包、散料、小件物品、软袋包装物或不规则的物品需放在托盘上或周转箱内输送。

主要由滚筒、机架、支架、支腿、传动装置和驱动装置等部分组成。具有输送量大、运转轻快、效率高、能够实现多品种共线分流输送的特点，可用多条滚筒线及其它输送设备或专机组成功能复杂的物流输送系统。

可采用积放式滚筒实现物料的堆积输送。

1)结构分为：直线式、转弯式、顶升移载、道叉式分、合流输送机等形式。

2)滚筒材质分为：碳钢镀锌、碳钢镀铬、包胶、不锈钢、塑钢等，选型时应根据载重量确定不同材质和滚筒型号。

3)框架材料分为：碳钢油漆/喷塑、不锈钢、铝合金型材等。

Roller Conveyor is used to transport flat-bottomed items like all cases, boxes & pallets, and small, soft or irregular items are supposed to put on trays or other flat containers before conveyed.

The conveyor has two types: gravity and motorized. The motorized one is composed of rollers, frames, supports, driving and driven devices, etc, characterized with large & efficient distribution, convenient connection to other equipment and easy maintenance. Several roller conveyors can compose a conveying system, either together with other sorts of conveyors or not. It can also be made into accumulation conveyors.

Optional Conveyor Forms: linear, curved, lifted & turned, confluence or split, etc.

Optional Roller Types:

Zinc-plated, Chrome-plated, rubber-coated, stainless steel or plastic rollers, etc.

Optional Frame Material: painted steel, powder coated steel, stainless steel, Aluminum profiles, etc.



技术参数 Technical Parameters

输送机尺寸 Conveyor Size	可定制 Optional
滚筒材质 Roller Material (mm)	碳钢镀锌、不锈钢、包胶 carbon steel,Aluminum,etc
滚筒直径 Roller Diameter (mm)	38, 50, 60, 76, 89mm等
滚筒形式 Roller Mode	圆柱形、圆锥形、曲面形 Column/cone/camber
承载能力 Load Capacity	可按客户要求定制 Optional
机架材质 Frame Material	碳钢喷塑、不锈钢、铝型材 power coated steel/stainless steel/Aluminum
滚筒安装方式 Roller install mode	弹簧压入式、内牙轴式、全扁榫式、通轴销孔式等 Spring/Inner Optional

p.s.: SECTION means the length between two contiguous legs.



平面皮带输送机 PP Linear Belt Conveyor



Linear Belt Conveyor is widely applied in the horizontal transport.

It includes Drive Unit, Tension Unit, Belt, Frame, Redirection Unit, Electric control box. Features as follows:

1. All the parts of it is same, and its frame is designed by modular, which is easily to connection.
2. Drive and tensioning device located in the middle of the fuselage. So that the connection of two conveyors is very easy. The tensioning distance is 400mm.
3. Power: Gear motor. Belt Type: PVC, PVK.
4. Turnabout and drive unit can be carried on the belt tension.
5. There is a belt corrective structural design in the front and the end of Conveyor, it will automatically make the belt correct return.
6. Rollers and General components is designed depend on the requirements of rapid replacement.
7. The gap between the conveyor and belt is very slow, which can guarantee small goods transport easily.
8. Motor covered with hoods.
9. Framework with overall bending, so its surface is smooth and strong.

平面水平皮带输送机可实现快递物品的高度和水平距离位移的输送。

皮带输送机由驱动总成、张紧总成、输送皮带、机架体、改向总成、电气控制组成。平面皮带输送机具有如下特点：

- 1) 机头机尾改向和驱动体均采用标准化设计，机架体采用模块化设计，互换性强，易于拼接，具有较高的柔性集成能力。驱动模块机长1.65m，可根据物流线体的要求安装与机架体的合适位置。
- 2) 皮带输送机一般采用中间驱动和张紧的驱动结构方案，可便于输送机之间的相互连接，具有足够的张紧行程，行程大于400mm。
- 3) 动力选用减速电机，输送皮带根据客户要求选用PVK带或光面皮带和爬坡皮带。
- 4) 改向和驱动总成优化合理的结构设计，充分考虑皮带跑偏可方便的调整改向滚，可对皮带松动进行方便的张紧。
- 5) 设备具有皮带纠偏结构设计，皮带跑偏自动纠偏回位。从结构上充分考虑皮带跑偏不撕裂皮带的方案。
- 6) 滚筒及通用件快换式结构设计，易于维护滚筒和轴承。
- 7) 皮带机与皮带过渡接口按小间隙结构设计，小型货物可顺畅的过渡输送。
- 8) 驱动处采用防护罩保护模式。
- 9) 机架采用整体式折弯成型结构，表面平整，强度高。



铝合金皮带输送机 Belt Conveyors in Aluminum frames

技术参数 Technical Parameters

输送载荷 Capacity [kg/m ²]	动载: 60kg/m ² , 静载: 200kg/m ²
输送方式 Mode	皮带输送, 托板形式 Belt
输送物品最大尺寸 Maximum size of goods [mm]	1000*800*700mm
单件限载 Capacity [kg]	80kg
输送宽度 Width [mm]	皮带宽: 1000mm, 机架宽: 1060mm (可定制)
输送高度 Heighth	按场地高度要求定制Optional
输送方向 Direction	单向; 正反向 Two-way
输送机布置形式 Mode	水平/倾斜 Linear/Inclined
输送速度 Speed	按设备清单 Custom
驱动功率 Motor Power [kw]	0.75/1.1/1.5/2.2/3/4/5.5 (KW)
机身材质 Frame Material [mm]	碳钢 14mm 板 T4.0 Carbon Steel
支腿材质 Leg Material [mm]	碳钢 14mm 板 C型折弯 T4.0 Carbon Steel
驱动方式 Drive	中部驱动滚筒驱动 Roller
驱动滚筒直径 Drive Roller	Φ315碳钢 连体中心轴 Φ315 Carbon Steel
改向滚筒直径 Turnabout Roller	Φ110碳钢 连体中心轴 Φ110 Carbon Steel
电机品牌 Motor Brand	SEW/NORD / 莱邦 SEW/NORD / CB
皮带品牌 Belt Brand	西格林/永利 Siegling
皮带厚度 Belt	按设备清单 Custom
机身表面处理 Surface	环氧树脂喷塑 Epoxy spray
设备颜色 Color	按客户设备技术规范要求 Custom



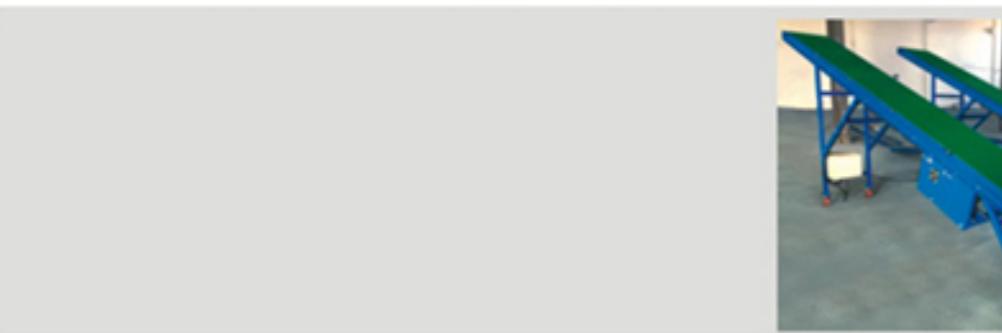
工装流水线 Gravity roller and steel ball line

倾斜皮带输送机 XP Inclined Belt Conveyor



倾斜皮带输送机是组成有节奏的流水作业线所不可缺少物流输送设备。爬坡皮带输送机具有输送能力强，输送距离远，结构简单易于维护，能方便地实行程序化控制和自动化操作。运用输送带的连续运动来输送，其运行高速、平稳、噪音低。

Inclined Belt Conveyor is indispensable equipment of Assembly line. The conveyor is featured with high efficiency, transport long. The simple structure and easy maintenance make it easier to achieve procedural and automation control. It's continuously conveyor with fast transmission, low noise and stable.



•爬坡皮带输送机
Inclined belt conveyors



•大倾角爬坡输送机
Steep climbing conveyor



•二楼爬坡输送机
Conveyor between floors

技术参数 Technical Parameters

输送带有效宽度 Belt Width (mm)	600~1200
搬运能力 LoadCapacity (kg/m ²)	动载Move Load: 60 静载Static load: 200
输送速度 Speed (m/min)	10~45
电机 Motor Power	SEW/NORD/派邦依据长度不同搭配不同功率的机型 SEW/NORD Optional
皮带 Belt	永利/西格林 Siegling Optional
爬坡角度 Degree	≤15°
机身及机架 Framework (mm)	T3.0 宝钢碳钢板 T3.0 Carbon Steel
支腿 Legs (mm)	T4.0宝钢碳钢板高腿支脚(1.5M以上)采用60*80*3铁方通 T4.0Carbon Steel Optional
输送机货架防护板 safety guard (mm)	所有无人操作区域的输送机均须设置货架防护板，防护板高度≤300mm; 输送机高度≥2400mm，防护板高度≤500mm Height≤ 300mm Conveyor Height ≥2400mm Height≤500mm
机架颜色 Color	根据色卡号 Custom

注：客户可根据需要选用相应性能的爬坡机，可标定制 PS: Inclined belt conveyors can be totally customized.



•铝合金倾斜皮带机 Inclining Belt Conveyor in Aluminum



•楼层输送线 Unloading conveyor in floors



•可调式爬坡皮带输送机 Flexible Climbing conveyor

伸缩式皮带输送机 SSJ Telescopic Belt Conveyor



伸缩皮带机



伸缩皮带机前端控制机构
Controllable Unit in the front



移动式三节伸缩皮带输送机
3 section movable type telescopic belt conveyor

伸缩式皮带输送机主要应用在车辆装卸和有伸缩要求的物流传输系统中，它是一种可以改变输送长度及输送高度的连续输送设备，具有悬臂式输送特点。克服了运输设备与站台之间高度不统一对装卸的影响。能够降低劳动强度，减少货物的损伤率，极大地提高工作效率。

- 1) 伸缩式皮带输送机主要由固定架、活动机架、同步伸缩推力机构、皮带输送机构、防护杆机构、控制系统组成。固定架、活动机架采用锰钢制作，一般厚度为6mm/5mm/4mm；
- 2) 耐砸段：卸货处，伸缩皮带输送机伸出端前端须设置卸货耐砸段，长度不少于300mm的无动力滚筒（内置于伸缩机内），筒体表面镀锌处理。
- 3) 可边伸缩边输送货物的功能，提高输送效率，具备点动伸缩工作模式。
- 4) 前端按钮有防护挡板，对按钮起有效的保护作用，防止皮带机伸缩时撞坏按钮。
- 5) 伸缩机前端安装有防撞杆。
- 6) 前端须设有夜间照明LED灯，以保证装卸车时车厢内亮度。

Telescopic Belt Conveyor is automatic loading/unloading equipment whose length and height is controllable. It Overcome the gap between transportation equipment and platform. Therefore makes the delivery work more efficient and less intensive, and also does less damage to the goods and increase efficiency.

1. It include Fixed frame, Movable frame, Telescopic structure, Belt conveyor.
2. Resistance: In the top section has a drop-resistant.
3. It can transporting goods when extendable or retractable.
4. Front button has a guard to protect it.
5. Bumper is installed in the front of conveyor.
6. Front with LED lights. It can guarantee brightness of compartment at Night.

技术参数 Technical Parameters

输送物	输送物单件重量 Load Capacity (Kg/m)	最大承载能力 Capacity (Kg/m)	输送方向 Direction	输送方式 Mode	输送有效宽度 Belt Width (mm)	输送面高度 Height	驱动电机品牌 Power Brand	伸缩电机品牌 Power Brand	机身材料 Frame	最大伸缩量 Length
快速	动载Movable Capacity: 60 静载Static Capacity: 150	60	双向运行 Two-Way	皮带输送 Belt	600/800	按设备清单 Custom	SEW/NORD	SEW/NORD (带刹车)	16Mn	按设备清单 Custom
机架封板 Frame (mm)	机体表面处理 Surface	伸缩方式 Telescopic	控制方式 Controllable	固定端伸缩轴承 Bearing	照明 Lighting	机体颜色 Colour	升降方式 Adjustable Mode	升降角度 Degree	皮带 Belt	输送速度 (m/min)
1.5mm 板折边	环氧树脂喷塑 spray paint	伸缩拖链机构 Chain	伸缩机专用控制器，前端各配控制开关Front and Frame	SKF关节轴承	前端安装LED照明灯 LED in the Front	根据色卡号 Custom	配进口液压升降系统 Hydraulic	-2.5°~2°	西格林/永利 Sigling	20~35

伸缩式皮带输送机 SSJ Telescopic Belt Conveyor



技术参数 Technical Parameters

品名 Model	缩回长度 Back Length (mm)	伸臂长度 Elongation (mm)	伸出总长 Extended Length (mm)	设备高度 Height (mm)	皮带宽度 Belt Width (mm)	伸缩速度 Max. 12	最大承重 Load Capacity (kg/m)	输送速度 Belt Speed (m/min)
三节皮带输送机	4000	5400	9400	750	600/800	Max. 12	50	20-36
	4500	600	10500	750	600/800	Max. 12	50	20-36
	5000	6900	11900	750	600/800	Max. 12	50	20-36
	5400	7300	12700	750	600/800	Max. 12	50	20-36
	6000	8000	14000	750	600/800	Max. 12	50	20-36
	6500	8300	15400	750	600/800	Max. 12	50	20-36
	7000	9600	16600	750	600/800	Max. 12	50	20-36



品名 Model	缩回长度 Back Length (mm)	伸臂长度 Elongation (mm)	伸出总长 Extended Length (mm)	设备高度 Height (mm)	皮带宽度 Belt Width (mm)	伸缩速度 Max. 12	最大承重 Load Capacity (kg/m)	输送速度 Belt Speed (m/min)
四节皮带输送机	4000	7000	11000	800	600/800	Max. 12	50	20-36
	4500	8500	13000	800	600/800	Max. 12	50	20-36
	5000	9500	14500	800	600/800	Max. 12	50	20-36
	5400	10300	15700	800	600/800	Max. 12	50	20-36
	6000	12000	18000	8800	600/800	Max. 12	50	20-36
	6500	12800	19300	800	600/800	Max. 12	50	20-36
	7000	14000	21000	800	600/800	Max. 12	50	20-36



抽屉式皮带输送机 CT Lapped Drawer belt conveyor



Lapped Drawer Belt Conveyor applied in rapid delivery and loading goods. It includes two belt conveyors which is lapped, upper belt conveyor for conveying articles when the Lower layers of belt conveyor for loading. Lower layers of belt conveyor can be extendable or retractable freely. In structure, it contains drive motor, Tensioning unit, Belt, Framework, Turnabout unit, Guide unit, Electric control box. Features as following:
 1. All the parts of it is same, and its frame is designed by modular, which is easily to connection.
 2. Drive and tensioning device located in the middle of the fuselage. So that the connection of two conveyors is very easy.
 3. Rollers and General components is designed depend on the requirements of rapid replacement.
 4. Turnabout and drive unit can be carried on the belt tension.
 5. There is a belt corrective structural design in the front and the end of Conveyor, it will automatically make the belt correct return.
 6. Oriented unit is Cell Structure, it guarantee a reasonable gap between the lapped belt conveyor, and the front legs with adjustable height to adapt to different area.

双层(抽屉)式皮带输送机用于实现物品的快速输送和装车。其分别由上层和下层胶带输送机叠加而成，上层胶带输送机实现物品输送功能，下层皮带输送机实现物品输送及装车的功能。下层皮带输送机可在人工助力下，由导轨导向单向拉出可根据汽车车厢内的空间大小而确定下层皮带输送机拉出的长度。
 双层(抽屉)式皮带输送机分别由上层或下层的驱动总成、张紧总成、输送皮带、机架体、改向总成、导向机构、电气控制组成。具有如下特点：
 (1) 机头机尾改向和驱动体均采用标准化设计，机架体采用模块化设计，互换性强，易于拼接。
 (2) 采用中间驱动和张紧，便于输送机之间的相互连接。
 (3) 滚筒及通用件快换式结构设计，易于维护滚筒和轴承。
 (4) 改向和驱动总成优化合理的结构设计，充分考虑胶带跑偏可方便的调整改向滚，可对皮带松动进行方便的张紧。
 (5) 设备具有皮带纠偏结构设计，皮带跑偏自动纠偏回位。从结构上充分考虑皮带跑偏不撕皮带的方案。
 (6) 导向机构采用槽型结构，预留合理的间隙，下层输送机可无阻碍的拉出。

技术参数 Technical Parameters

输送能力 Capacity (kg/m ³)	60
输送速度 Speed (m/min)	25~35
上层皮带宽度 Upper Belt Width (mm)	800(西格林/永利 PVC皮带) Siegling PVC Belt, Optional
下层皮带宽度 Lower Belt Width (mm)	650(西格林/永利 PVC皮带) Siegling PVC Belt, Optional
皮带机长度、高度 Length, Height	依据设计图纸 Custom
驱动电机功率 Power (kw)	0.75~1.1 (SEW/NORD)
皮带跑单向偏量 Belt deviation (mm)	15
导轨、机身钢板厚度 Frame Thickness (mm)	4.0 以上
电控箱 Electric control box	单独电控箱 Single



转弯皮带输送机 WP Belt Curve Conveyor



转弯皮带机用于沿曲线流输送包件货物。针对不同的应用，使用不同的角度和皮带宽度构建不同的物流曲线。通常这种装置用于连接不同种类输送机的输送系统中，实现包件货物某些流动方向。

转弯皮带输送机可实现货物改变输送方向进行输送，与之相接的直线皮带机可平滑的连接。

转弯皮带输送机由驱动总成、链条导向机构、锥形滚筒、转弯皮带、机架体、侧挡板、防护装置组合而成。

具有以下特点：

- 1) 特有的链条传动结构，具有可重载输送包件货物，皮带输送货物时不会打滑的特点。
- 2) 可实现高速输送货物，最大输送速度可达1.2m/s。
- 3) 多种规格型号选择，可实现30°、45°、60°、90°、180° 输送。
- 4) 设备的结构具有较高的维护性，快速的更换机件及皮带。
- 5) 符合安全性标准要求，带有手指保护和防护罩，防止造成伤害。
- 6) 输送设备低噪声运行，运行噪音小于70db。

Belt Curve Conveyor is well employed to accomplish turning corners, usually work together with other conveying equipment, it to achieve the different direction of goods.

It usually acts as turning part of Linear Belt Conveyor, and can turnabout the direction of goods.

Main parts include: driving unit, Chains unit, cone rollers, curve belt, supporting frame, side fences, Guard unit.

Features as follows:

1. Driven by chains and the Optional Belt will guarantee the load and won't slip.
2. Fast transmission, its max speed is 72m/min.
3. Optional Type: 30°, 45°, 60°, 90°, 180°.
4. With Simple structure is easy maintenance.
5. Compliance with safety standards, with finger protection cover with hoods.
6. Its noise will lower than 70db when works.

技术参数 Technical Parameters

输送能力 Capacity (kg/m ²)	120kg/台
输送速度 Speed (m/min)	50
输送物最大尺寸 Maximum size of goods (mm)	1000*800*700
有效输送宽度 Width (mm)	1000/800
转弯角度 Curve Degree	180° / 90° / 60° / 45° / 30°
输送方式 Mode	链条为驱动导向 Chain
驱动功率 Motor Power (kw)	1.5
机架材料 Framework (mm)	T3.0 碳钢板折边 T3.0 Carbon Steel
支腿材料 Legs	C型钢折边 C type Carbon Steel
电机品牌 Motor Brand	SEW/NORD
皮带品牌 Belt Brand	西格林/艾玛拉/永利 Sieglng / Emma /永利
机体表面处理 Surface	环氧树脂喷塑 Epoxy spray
机体颜色 Color	根据色卡号 Custom

注：机架碳钢或铝型材,不锈钢制作.客户可根据需要选用相应性能要求的皮带

PS: Optional frame material: carbon steel, stainless steel or Aluminum



转弯滚筒输送机 WG Roller Curve Conveyor



技术参数 Technical Parameters

机高 Curve Height (mm)	500-900 标准(standard)
有效宽度 Effective Width (mm)	300-1000
转弯内径 Turning Radius (mm)	900 标准(standard)
输送速度 Speed Constant/Variable (m/min)	25 标准(standard)
输送角度 Curve Degree	90° / 180°
功率 MotorPower (kw)	0.75/1.1/1.5/2.2
输送能力 Load Capacity (kg/m)	50 标准(standard)

注：机架可选碳钢、不锈钢、铝合金材料。滚筒材质亦可选
PS: Optional frame material: carbon steel, stainless steel or Aluminum; Roller type optional as well.



仓库滚道组合输送线
Roller conveyor combination in warehouses



转弯滚道输送线
Roller conveying system

网带输送机 WD Modular Belt Conveyor



网带合流线
Confluence Modular Belt Conveyor Line

网带输送机使用模块式塑料输送带，采用链轮驱动，输送物体时不易跑偏。输送带使用符合卫生标准的塑胶材料一体成型，有较强的稳定性及抗化学性，克服了污染问题。因此，此类输送机广泛应用于家禽和家畜屠宰分切加工、膨化食品生产线、水果包装线、水产加工生产线、速冻食品生产线、饮料制造业等，也可用于制药、日用化工等行业。

主要结构形式有：水平直线输送、提升爬坡输送、转弯输送等多种形式，输送带上还可增设提升挡板、侧挡板等附件，能满足各种工艺要求。

Driven by chain wheels, Modular Belt Conveyor largely lessens belt running deviation. Its belt is moulded once with plastic material of hygienic standard, which guarantees the good stability, chemical resistance, and friendliness to environment. Therefore, the conveyor is widely employed in the slaughter and processing of poultry or livestock, puffed food production lines, fruit packing lines, fishery processing and production lines, frozen food production lines and beverage manufacturing, also welcomed in machine, daily chemical and other industries.

Main types include: linear transmission, upgrading transmission, curve transmission, etc. The belts can be added baffles to serve specific purposes.

技术参数 Technical Parameters

机长 Length (mm)	1500-20000
有效宽度 Effective Width (mm)	300-1000
网带材料 Belt Material	PP/PE/POM/NYLON
机架材料 Frame Material	carbon steel (碳钢), stainless steel (不锈钢) or Aluminum (铝合金)
输送速度 Speed (m/min)	max. 30
功率 MotorPower (kw)	0.4/0.75/1.5/2.2 common
承重 (常规) Load Capacity (kg/m)	10-80 common



倾斜网带输送机
Inclining mesh conveyor

网带组合输送线
Mesh & belt conveyor combination



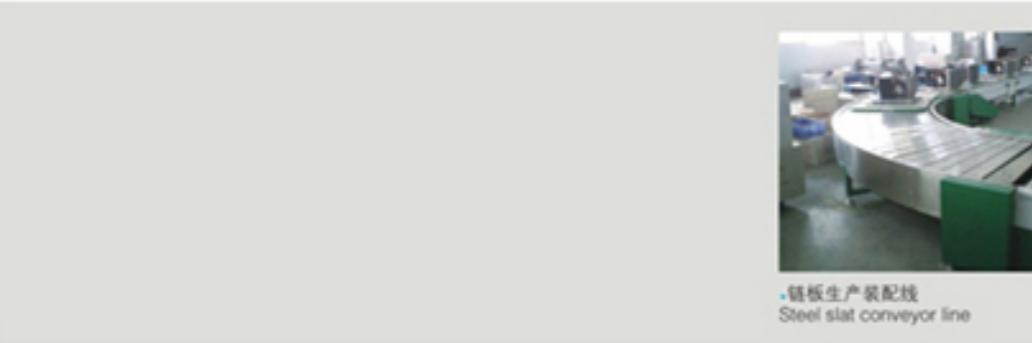
不锈钢网带输送机
Stainless steel mesh conveyor

链板输送机 LB Slat Chain Conveyor



链板输送机（非标准设备）产品特点：链板输送线是以大节距特种弯板链条为传送介质，带动金属/塑料面板作循环往复运行的一种输送装配设备。由于线体结构及输送介质较为坚固，所以一般用在较重物品的输送和装配作业现场，每米的最大承重可达到800kg。其结构简单、维修方便、外形美观、运行可靠，广泛应用于饮料、啤酒、食品、制药、印刷、化妆品等行业的输送。
主要输送形式：水平输送型、转弯输送型、爬坡输送型等。
可选框架材料：碳钢喷漆、碳钢喷塑、不锈钢等。

Slat Chain Conveyor is a totally non-standard conveyor, which can be tailor-made according to specific purposes. The conveyor owns great load capacity up to 800kg/m because of the solid structure of big-pitched chains as the conveying medium and plastic, steel or stainless steel slat as the conveying surface. With simple structure, nice figure, stable running and easy maintenance, it is widely chosen by beverage/beer industry, food industry, medicine industry, printing industry and cosmetics industry.
Main Conveying Forms: linear transmission, curve transmission, upgrading transmission, etc.
Optional Frame Material: painted steel, powder coated steel, stainless steel.



• 链板生产装配线
Steel slat conveyor line



• 成品箱双排链板输送线
Double-track plastic slat conveyor



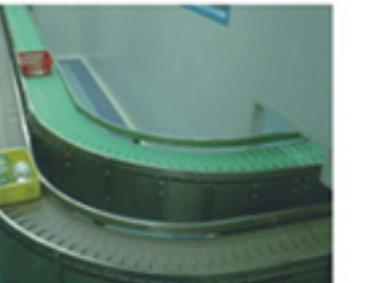
• 转弯链板输送机
Plastic slat conveyor curve

技术参数 Technical Parameters

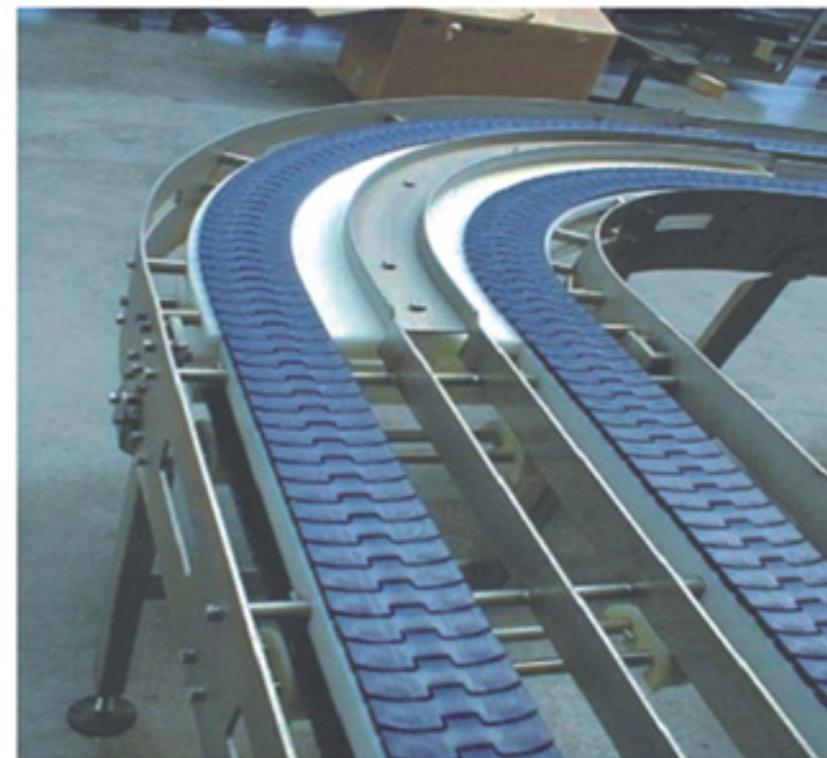
机长 Length (mm)	可定制Optional
链板宽度 Slat Width	63.5, 82.5, 88.9, 101.6, 114.3, 152.4, 190.5, 254.0, 304.8mm
工作温度 (金属链板) Working Temperature (STEEL SLAT)	-20° C~100° C
输送速度 Speed (m/min)	10~40
机架材料 Frame Material	carbon steel (碳钢喷塑), stainless steel (不锈钢) or Aluminum (铝型材)
功率 MotorPower (kw)	0.4/0.75/1.5/2.2
输送能力 Load Capacity (kg/m)	50



• 成品箱链板输送系统
Double-track slat conveyor line



• 医药链板输送线
Slat conveyor in hospital



• 双排链板转弯输送机线
Double-track slat conveyor curve

物流输送系统工程 Logistics System



Distribution center requires rational planning and efficient sorting to meet the needs of transit, must unload and classify goods by location in the shortest time, and send the goods to the designated place and quickly loading to distribution.

To achieve this goal, you should choose the Appropriation sorting equipment and right sorting way to improve sorting efficiency, makes delivery work more efficient, decrease work time, increase efficiency.

Semi-automatic or automatic sorting conveyor system will help enterprises Continuous sorting large quantities of goods. Protected from the weather, time and worker's physical, it will less intensive and increase quality.

分拨中心的方案需要实现中转场布局工艺流程科学化、分拣高效化，合理满足业务中转时效与场中转的需求。必须要在最短的时间内将这些货件卸下并按货件的发送地点进行快速准确的分类，将这些分类好的货件运送到指定地点并快速的装车配送。

要达到这一目的，必须选择合适的分拣设备采取切实可行且高效的分拣方式按分拨作业过程的实际情况运用一定的方法策略组合，提高分拣效率，将各项作业时间缩短，提升作业速度与能力。

利用半自动或自动分拣输送系统，采用流水线自动作业方式连续、大批量地分拣货物，不受气候、时间、人的体力等的限制，可以连续运行，最大限度地减少人员的使用，减轻工人的劳动强度，提高人员的使用效率。



•滑块式自动分拣系统
Slider-type auto sorting system



•快递分拣输送系统
Sorting system in express company



•快递分拣出货输送系统
Sorting & shipment system in express company

•快递包裹分拣输送系统 Parcel sorting system



移动式装车输送机 ML-F/ML-D

Mobile loading conveyor



产品功能特点 FEATURES

装卸输送机的皮带输送机部分与伸缩输送机部分可以组合或分开使用。可以随意移动至货物装卸的场地，进行轻松的作业。有悬挂的前端伸缩式输送机可任意伸展，使输送的货物与装卸货位更近。可以即开即停，正、反向运行，直接输送到货车或仓库。

The conveyor consists of two parts: FLEXIBLE TONGUE (two types optional) & UPGRADING CONVEYOR, which can both work independently. The conveyor is easily movable; its end can be extended with other flexible conveyor so as to reach closer to the target goods. Either type of flexible "tongue" can be lifted up to a certain height and extended towards target goods. Controlled by one electrical box, it can be right started or stopped & run forward or reverse at will. It can be applied as a horizontal conveyor line when the tongue is not lifted.



技术参数 Technical Parameters

型号 Model	前伸缩部分 FLEXIBLE TONGUE		尾坡输送部分 UPGRADING CONVEYOR							自重 Dead Weight (kg)
	前伸缩配置 Tongue Type	伸缩范围 Extendable Length (mm)	输送带宽 Belt Width (mm)	台面有效宽度 Table Width (mm)	输送电机功率 Motor Power for Conveying (kw)	提升电机功率 Motor Power for Uplifting (kw)	运载能力 Load Capacity (kg/min)	输送速度 Speed (m/min)	提升高度 Lifting Height (mm)	
ML-F	无动力辊来轮 伸缩机6节 6-Section Flexible Gravity Skate-Wheel Conveyor	2200-6900	600	700	1.5	2.2	50	10-20	700-2500	850
ML-D	电动单滚 伸缩机4节 4-Section Flexible Motorized Roller Conveyor	1700-4200	600	700	1.5	2.2	50	10-20	700-2500	880



提升机 TSZ/TSC

Vertical Lifting Conveyor



连续式垂直提升机主要应用于箱式包装物的提升输送。根据进出口方向可分为：C型和Z型。它由连续式垂直输送机、进出口动力装置、电控箱组成。本机在物流系统中能够高效、平稳、快速的将物品在不同高度之间输送。

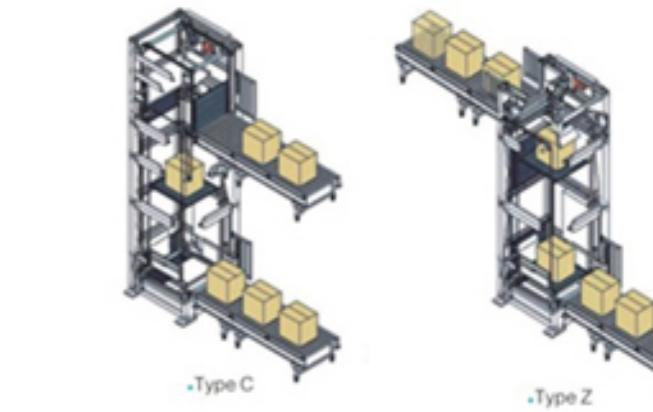
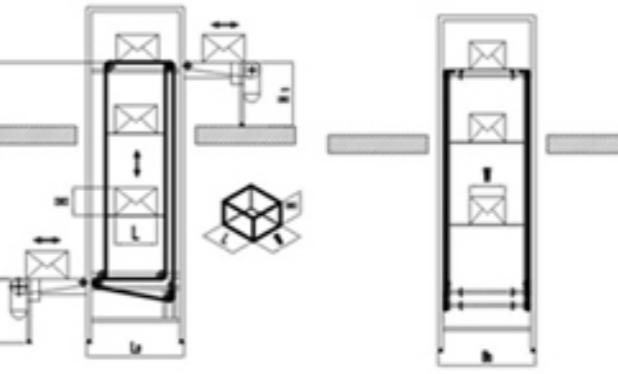
主要特点：

- 1) 工作时托盘的回程不占用工作节拍，输送效率高，且不受输送高度的影响。
- 2) 能够多层之间连续输送，并能双向运行。输送的最小货物为350mm*350mm。
- 3) 与出入口输送设备配套使用，使输送过程实现完全自动化，提高生产效率。
- 4) 结构紧凑，占地面积小，安全可靠，易于维护。

Vertical lifting conveyor is mainly applied to convey box-shaped items continuously vertically (min. feasible box bottom size: 350mm*350mm).

Based on its input & output conveyors' direction, it can be sorted as two types: Type C & Type Z. The conveyor boasts:

- 1.No wasted time from reverting pallets, high efficiency
- 2.Continuous working in bidirectional ways
- 3.Fully automatic with input and output conveyors
- 4.Compact in size, either indoors or outdoors



进出口装置 Input / Output Conveyor

型号 Model	C型垂直提升机 Type C	Z型垂直提升机 Type Z
升降高度 Lifting Height (mm)	>1500mm	>1000mm
升降速度 Lifting Speed (m/min)	<30m/min	<40m/min
输送节拍 Beat (pcs/min)	<10件/min	<30件/min
最大载荷 Load Capacity	<500Kg	<2000Kg
物料种类 Items Type	包装箱、托盘等 boxes/pallets	包装箱、托盘等 boxes/pallets