



Belt Conveyor

HENAN EXCELLENT
MACHINERY CO.,LTD

Bulk Material Handling

DESCRIPTION

- ❑ The belt conveyor is one of the best options for bulk materials handling equipment . It can continuously transport materials from one place to another place.
- ❑ Belt conveyor consist of conveyor belt, pulley, idlers, frame, tension devices, driving unit, protection switches and other components etc.
- ❑ Belt conveyor is widely used in mining, metallurgy, port, cement, grain, chemical and other industries.

Belt conveyor can convey any type of bulk material – whether powdery, granular, lumpy or bagged – whether cohesive or noncohesive – in almost all industrial fields.

- ❑ Belt conveyor conveys various materials through the rubber conveyor belt, which riding on heavy-duty troughed idlers, ranging in angles from 20°-45°, each mounted to the steel idler bracket.
- ❑ Belt conveyors can convey material at various inclined angles, typically between 0°-25°.

CONVEYOR COMPONENTS

Main Components:



Conveyor Belt



Drive Device



Conveyor Pulley



Take-up Device



Conveyor Idler



Feeding Skirt

Optional Components:



Tripper



Plow Discharger



Conveyor Cover



Conveyor Metal Detector



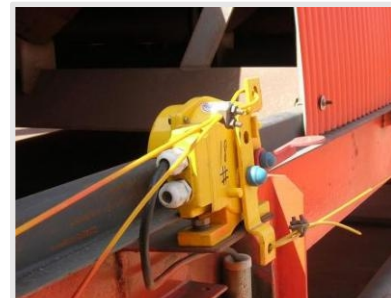
Electromagnetic
Metal Separator



Belt Scraper



Belt Sway Switch



Pull Cord Switch



Zero Speed Switch

FEATURE



Optional various types of self-aligning idlers can effectively prevent belt deviation.



Stable operation, no relative movement between material and belt, to prevent materials spillage and damage.



Feeding skirt fitted at the feeding point, fully sealed hood at the head section, improve the working environment.



All kinds of protection switches give early warning of possible accidents, and protect the components from being damaged.



Equipped with all kinds of advanced instruments and sensors, not only realize automatic centralized control, but also reduce maintenance personnel, save labor costs.



Interchangeable standardized spare parts not only reduce procurement costs, but also rapid replacement, significantly reducing costly downtime.



WHY CHOOSE EXCT BELT CONVEYOR ?

1 Professional Team

The design of belt conveyor is very important for the overall project. We have professional bulk material conveying design engineering to provide professional design. In the design, we adopt CAD, CAXA, Solidworks, and other design software for the overall project design and analysis of related project data. Can accurately ensure that the belt conveyor overall plan, project budget, etc., in line with customer needs.

- We have initially built a professional and technical team of 40 people. We are able to provide customers with engineering consulting, overall contract project design and project overall cost budget and other professional technical support.



- Our company has a team of professional sales engineers, they not only have excellent language skills, but also master professional product knowledge, strong sense of customer service and strong coordination ability for better customer service.

- Our company has more than 200 skilled and professional production and installation workers. Our production team is divided into five production units: blanking, machining, riveting, assembly and painting production units.



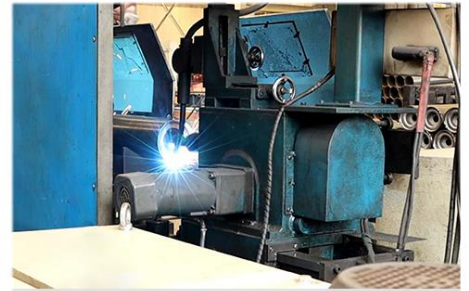
2 Advanced Processing Equipment

Conveyor Idler and conveyor pulley are important parts of belt conveyor, it is used to effectively support the conveyor belt and bulk materials. In addition, we have an advanced idler and pulley production line, which can produce high-quality rollers and pulleys, to ensure the long-term stable operation of the belt conveyor.

Idler Production Line



Automatic Chamfering Cutting Machine For Steel Pipe



Automatic CO₂ Gas-shielded Dual-torch Welding Machine



Chamfering At Both Ends Of The Pipes Automatically



Pressure Mounting Bearing House

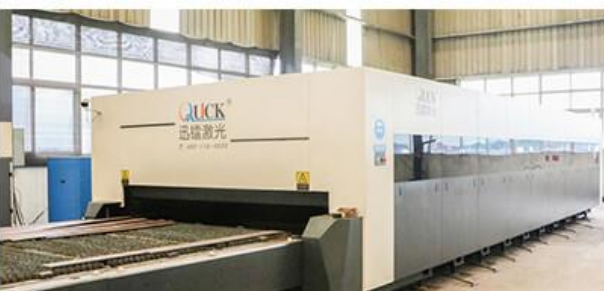


Special Machine For Shaft Milling And Flat Milling Slot



Pressure Mounting Bearing

Pulley Production Line



Laser Cutting Machine



Pulley Inner Ring Seam Automatic Welding Machine



Pulley Plate Welding

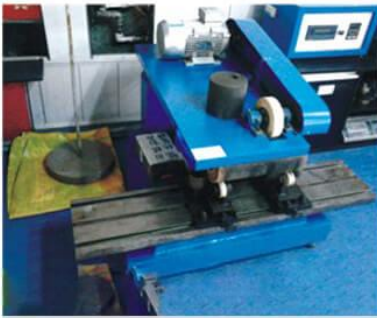


Heavy Duty Lathe

3 Strict Quality Control

The quality of idlers and pulleys directly affect the quality of the whole belt conveyor. Therefore, in order to effectively ensure the quality of our idlers and pulleys, we have established Domestic Advanced Conveyor Idler Laboratory, which can carry out water resistance, radial gyration and dust prevention experiments of idlers, drop test experiment, idler axial displacement, idler resistance detection, etc. Idler Laboratory, Mechanical Performance Laboratory and idler static balance test bench can be used to test the idler dynamic balance, static balance, ultrasonic flaw detection, paint film thickness, hardness inspection etc, which guarantees the quality of belt conveyor.

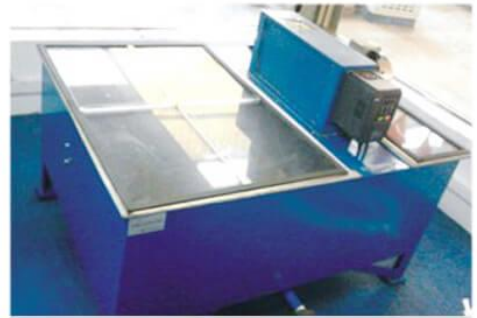
Idler Laboratory



Rotating Resistance Test Bench



Dynamic Balance Test Machine



Dust Proof Test Machine



Waterproof test Machine



Axial bearing capacity testing bench



Aluminum idler bearing capacity test bench

Pulley Testing Equipment



Ultrasonic Flaw Detection



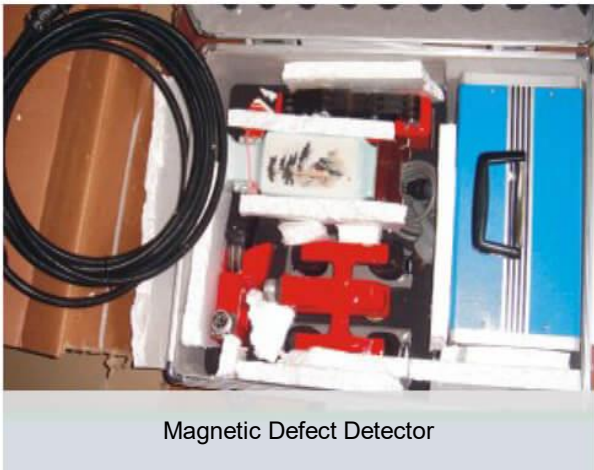
Rockwell Hardness Tester



Paint Film Thickness Gauge



Leeb Hardness Tester



Magnetic Defect Detector



Ultrasonic Metal Thickness Gauge



Pulley Static Balance Test



Pulley Dynamic Balance Test

4 High Quality Services

Henan Excellent Machinery Co.,Ltd provides a set of one-stop professional nanny service process for customers. We provide professional tailor-made overall solutions for customers , assist to formulate construction plans, guide installation and commissioning services and prenatal professional product knowledge training and regular testing and visits, to help customers find problems and solve problems.



TECHNICAL PARAMETERS

Belt Width, Belt Speed & Handling Capacity Of Technical Parameters

Belt width (mm)	Belt Speed(m/s)									
	0.8	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3
	Capacity(m ³ /h)									
400	41	51	64	82	103					
500	69	87	108	139	174	217				
650	127	159	198	254	318	397				
800	199	248	310	398	497	621	783			
1000	324	405	507	649	811	1014	1278	1622		
1200		594	742	951	1188	1485	1872	2377	2971	
1400		825	1032	1321	1651	2064	2601	3303	4129	
1600					2185	2732	2732	4371	5464	
1800					2795	3493	4402	5590	6987	9083
2000					3467	4334	5461	6935	8668	11277
2200							6841	8687	10859	14120
2400							8286	10522	13152	17104



Committed To Be Leader
In Bulk Material Handling



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