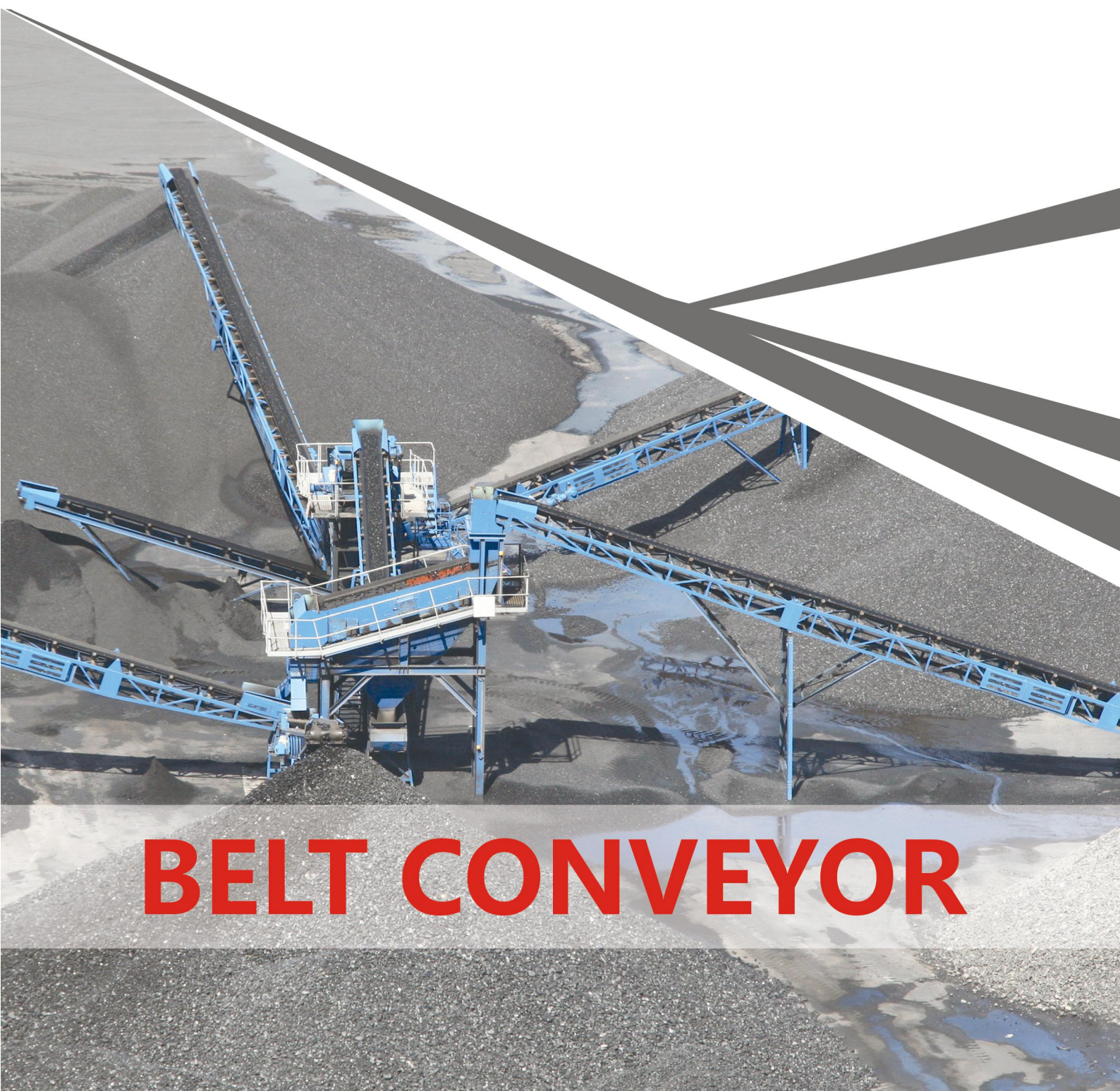


HENAN EXCELLENT MACHINERY CO.,LTD

BULK MATERIAL HANDLING



BELT CONVEYOR

Company Profile

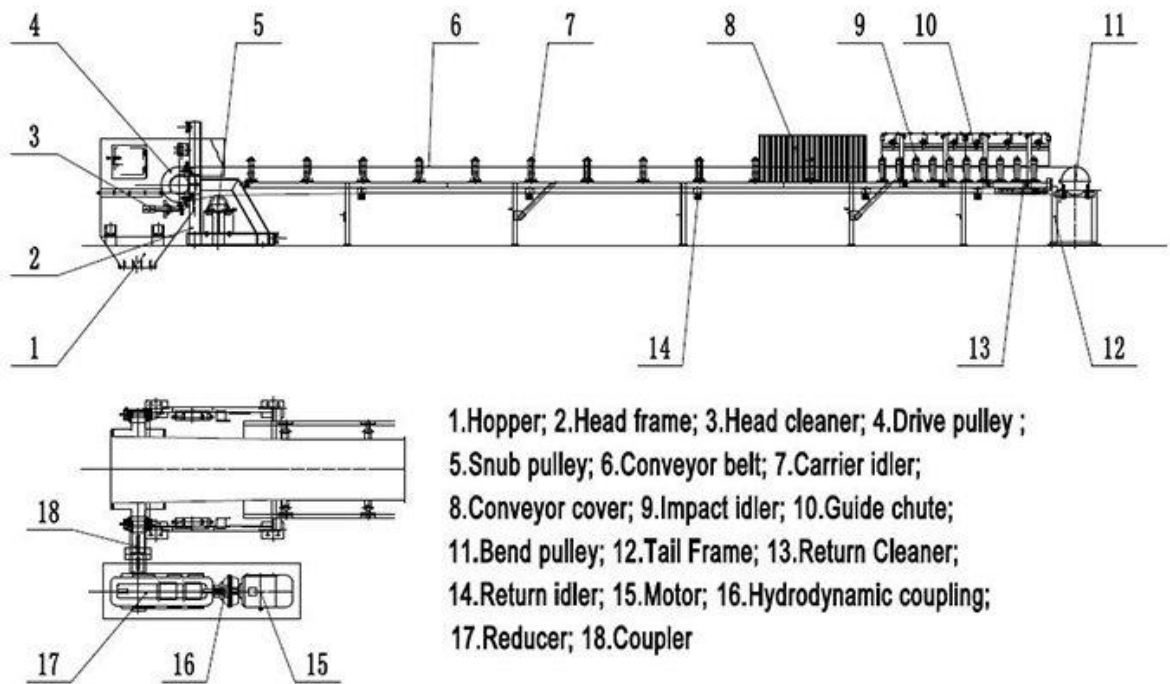
Henan Excellent Machinery Co., Ltd, specializing in belt conveyor equipment, mainly manufactures Belt conveyors, Pipe conveyor, Air supported belt conveyor, Corrugated Sidewall belt conveyor.

EXCT occupies an area about 330,000 square meters, there are casting, rivet welding, metal-processing, assembly, heat treatment and other workshops, with oversized modern processing equipment and more than 80 large and medium-sized general equipment. All products adopt national standards and can be widely used in coal, mining, metallurgy, chemical, port, power, construction and transportation industries.

Our products sell well in more than 20 provinces across the China, and are exported to South America, Australia, Malaysia, South Africa and other international transportation markets, and enjoy good reputation among customers.



Belt Conveyor Structure



The main components of the belt conveyor are conveyor belt, idler and intermediate frame, pulley, driving device, tensioning device, brake device, cleaning device, protection device and unloading device.

Belt Conveyor Advantage

1. The conveyor belt can be made of PVC whole core flame retardant tape, large belt tension, to prevent the sudden stop, and the drive device is equipped with backstop and brake.
2. According to the conveyance process requirements, the conveyance system can be made up of single conveyance or multiple conveyors or horizontal or inclined conveyance system with other conveyance equipment to meet the needs of operation lines of different layout types.
3. Large conveying capability, simple structure, convenient maintenance, and high optimized for general use.
4. It can transport various loose materials and finished goods with a loose density of 0.5-2.5t/m³.
5. Compared with other conveyors, it has less noise and is suitable for occasions where the working environment is relatively quiet.
6. Optional moving selection of belt velocity (0.8m/s~4.0m/s). Work stably with less belt deviation and materials spillage

WHY Choose Exct Belt conveyor



Conveyor belt

- ✧ Polyester canvas, nylon canvas and steel rope as the skeleton.
- ✧ Good impact resistance and high anti-tearing strength of conveyor belt.
- ✧ The conveyor belt is resistant to fatigue and impact.
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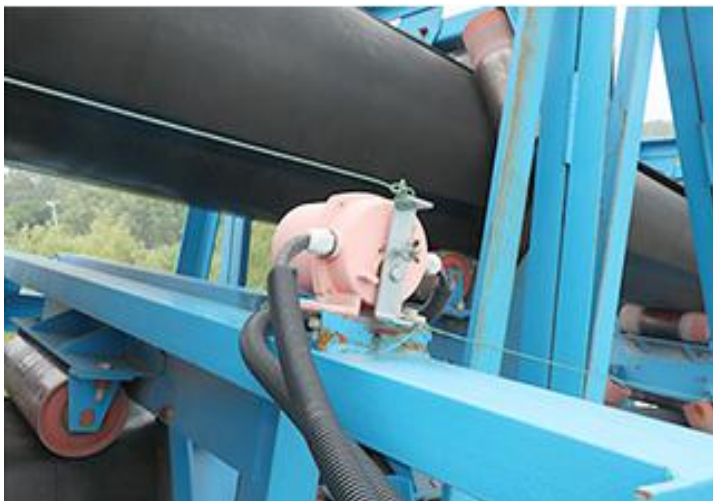
Driving device

- ✧ Brand of driving device can choose on your request.
- ✧ International brands like SEW, ABB, SUMITOMO, SIEMENS.
- ✧ China brand like Yutong, Tailong, Guomao, Taixing, Nangaochi.
- ✧ Powerful enclosed and compact efficient motor drive
- ✧ Shaft mounted and underslung gearbox reducer.
- ✧ Optimization YOX & YOT constant filling hydrodynamic coupling.
- ✧ Good balance and strong braking force Brake.



Idler

- ✧ Supply the various sizes of steel rollers to meet customers' require.
- ✧ Automatic simultaneous welding, CNC milling of bearing housings.
- ✧ Adopt precision deep-groove ball bearing of international brand.
- ✧ Uniquely labyrinth seals design for definitely water/dust proof.
- ✧ Low total indicated runout (T.I.R.), Less vibration.
- ✧ Making sure long lifetime operation.



Pulley

- ✧ High coefficient of surface friction;
- ✧ Automatic welding machine of outer ring seam of pulley;
- ✧ For big environment humidity and long distance belt conveyor;
- ✧ New technology of Pillow block ball bearing;
- ✧ Hydraulic symmetric three-roll bending machine;
- ✧ Pulley inner ring seam automatic welding machine.

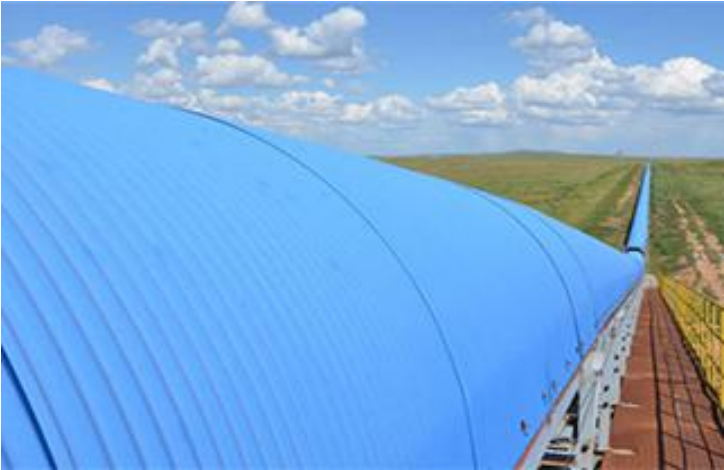


Protection device

- ✧ Aluminum alloy housing, strong impact resistance.
- ✧ Good sealing, dustproof, waterproof, anti-condensation.
- ✧ Sensitive operation, reliable performance.
- ✧ Plastic wire rope moisture, acid, flame retardant.
- ✧ Prevent cable joints damp and virtual.
- ✧ Automatically warning sign.

Conveyor cover

- ✧ Easy and safe of operation at conveying systems.
- ✧ Self-supporting hood-bracket system.
- ✧ Easy opening, latching and closing on both sides.
- ✧ Additional attachment components are not necessary.
- ✧ Cost-effective special solutions are possible.
- ✧ Problem-free connection to junction plates or facing.



Belt Conveyor Specifications

Fixed Belt Conveyor Technical Specifications

Belt width(mm)	Belt speed (m/s)									
	0.8	1.0	1.3	1.6	2.0	2.5	3.2	4.0	5.0	6.5
	Capacity (m³/h)									
500	69	87	108	139	174	217				
650	127	159	198	254	318	397				
800	198	248	310	397	496	620	781			
1000	324	405	507	649	811	1014	1278	1622		
1200		593	742	951	1188	1486	1872	2377	2971	
1400		825	1032	1321	1652	2065	2602	3304	4130	
1600					2186	2733	3444	4373	5466	
1800					2795	3494	4403	5591	6989	9083
2000					3470	4338	5466	6941	8676	11277
2200							6843	8690	10863	14120
2400							8289	10526	13158	17104

Remark: Capacity is caculated by material horizontal conveyoring ,20°Operating stacking Angle,35°roller groove Angle .

Belt Conveyor Application Industry

Belt conveyor is widely used in metallurgy, mining, coal, power station, building materials and other industries, used in bulk material transport



Cement plant



Mining



Chemical



Metallurgy



Port



Power plants

Belt Conveyor Application Material



Cement



Grain



Gravel



coal



Fertilizer



Sand



Iron ore



Wood chips



Carbon black

Manufacturing-Facilities

ROLLER WORKSHOP PROCESSING EQUIPMENTS



AUTOMATIC CHAMFERING CUTTING MACHINE FOR STEEL PIPE



AUTOMATIC CO2 GAS-SHIELDED DUAL-TORCH WELDING MACHINE



DOUBLE END AUTOMATIC HOLE MACHINE TOOL FOR STEEL PIPE



AUTOMATIC MACHINE TOOL FOR CONVEYOR ROLLER PRESS ASSEMBLY



ROLLER AUTOMATIC PAINTING PRODUCTION LINE



ROLLER AUTOMATIC PAINTING PRODUCTION LINE-1



ROLLER AUTOMATIC PAINTING PRODUCTION LINE-2

PULLEY WORKSHOP PROCESSING EQUIPMENTS



CNC FLAME PLASMA CUTTING MACHINE



HYDRAUMATIC SYMMETRIC THREE-ROLL BENDING MACHINE



CNC COILING MACHINE



AUTOMATIC WELDING MACHINE OF OUTER RING SEAM OF PULLEY



PULLEY INNER RING SEAM AUTOMATIC WELDING MACHINE



HEAVY DUTY LATHE

MACHINING WORKSHOP PROCESSING EQUIPMENTS



CNC FLOOR MILLING AND BORING MACHINE



CNC TURRET PUNCH PRESS



CNC HIGH SPEED GANTRY MOVING FLANGE DRILLING MACHINE



ROCKER DRILL AREA



LATHE WORK AREA



CNC PLANER HORIZONTAL MILLING AND BORING MACHINE

RIVETING WORKSHOP PROCESSING EQUIPMENTS



CNC BENDING MACHINE



CNC FLAME PLASMA CUTTING MACHINE



LASER CUTTING MACHINE-1



LASER CUTTING MACHINE-2



TRACK AUTOMATIC WELDING MACHINE



PLATE SHEARING MACHINE



PROFILES STEEL CUT-OFF MACHINE



WELDING ROBOT



RADIAL DRILLING MACHINE



WELDING AREA

SURFACE TREATMENT WORKSHOP PROCESSING EQUIPMENTS



ROLLER-THROUGH SHOT BLASTING MACHINE



ENVIRONMENTAL PAINTING ROOM



SPRAY BOOTH

Belt Conveyor Case

Belt Conveyor for Guodian Datong Second Power Plant



Project Name: Guodian Datong Second Power Plant Belt Conveyor System

Equipment: Belt Conveyor

Material: Coal

Capacity: 3800 t/h

Belt Width: 1800 mm

Belt Speed: 3.26 m/s

Application Area: Power Plant

Country/Region: China

Project Time: October 2010

Customer Name: Guodian Datong

Second Power Plant

Guodian Power Development Co., Ltd. Datong No.2 Power Plant/Guodian Power Datong Power Generation Co., Ltd. It is a two-million-class thermal power generation enterprise owned by Guodian Power Development Co., Ltd., a subsidiary of China Guodian Corporation.

The belt conveyor of Datong Phase III Expansion Project is designed and manufactured by EXCT Co., Ltd. During the operation, the belt does not run off, no leakage, runs smoothly, no noise, which providing a continuous supply of clean coal source.

DTIIA Belt Conveyor for Fujian Zijinshan Gold and Copper Mine Project



Project Name: Fujian Zijinshan Gold and Copper Mine Belt Conveyor Project

Equipment: Belt Conveyor

Material: Auricupride

Capacity: 2000 t/h

Belt Width:1300 mm

Belt Speed: 2.0 m/s

Application Area: Copper Mine

Country/Region: China

Project Time: October 2011

Customer Name: Fujian Zijin Mining

Zijin Mining Group Co., Ltd. is a large-scale mining group mainly engaged in the exploration and development of metal mineral resources such as gold, copper and zinc. The mining area is located in Shanghang County and covers an area of about 30 square kilometers.

The driving power of the DTL belt conveyor designed by EXCT is 110kw, the inclination angle is $0\sim6.45^{\circ}$, and the maximum lifting height is 19.7m. It adopts frequency conversion to change speed and hydraulic tensioning. Reasonable structure is, low resistance coefficient, large carrying capacity, matched with the electric control and protection device, thus the automatic operation can be realized.

The Fixed Belt Conveyor for Dandong Port 200,000-ton Ore Berth Project



Project Name: 200,000-ton ore berth project of Dandong Port Dadong Port

Equipment : Fixed Belt Conveyor

Material: Coal ore

Capacity: 9000 t/h

Belt Width:1800 mm

Belt Speed: 4 m/s

Application Area: Wharf

Country/Region: China

Project Time: October 2013

Customer Name: Dandong Port Group

Co., Ltd.

The 200,000-ton ore berth project of Dandong Port Dadong Port Area is located in offshore deepwater operation area of Dandong Port Dadong Port Area. The wharf is arranged in the natural deep groove 15m water depth offshore. Dandong Port Group Co., Ltd. decided to invest in the construction of 200,000-ton ore terminal heating project in the wharf of 200,000-ton ore berth project of Dandong Port Dadong Port Area.

The project has a large volume of transportation. In order to effectively ensure the non-leakage transmission of coal ore, solving the problem of heating in berths, also protecting the surrounding ecological environment, Dandong Port Group Co., Ltd. finally chose Henan Excellent Machinery Co., Ltd. This fixed belt conveyor has a processing capacity of 9000t/h, belt width of 1800mm, belt speed of 4m/s, it is the maximum bandwidth, and maximum power. It can receive multi-point loading and create the first single contract amount.



EXCT committed to be the best supplier in the world



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