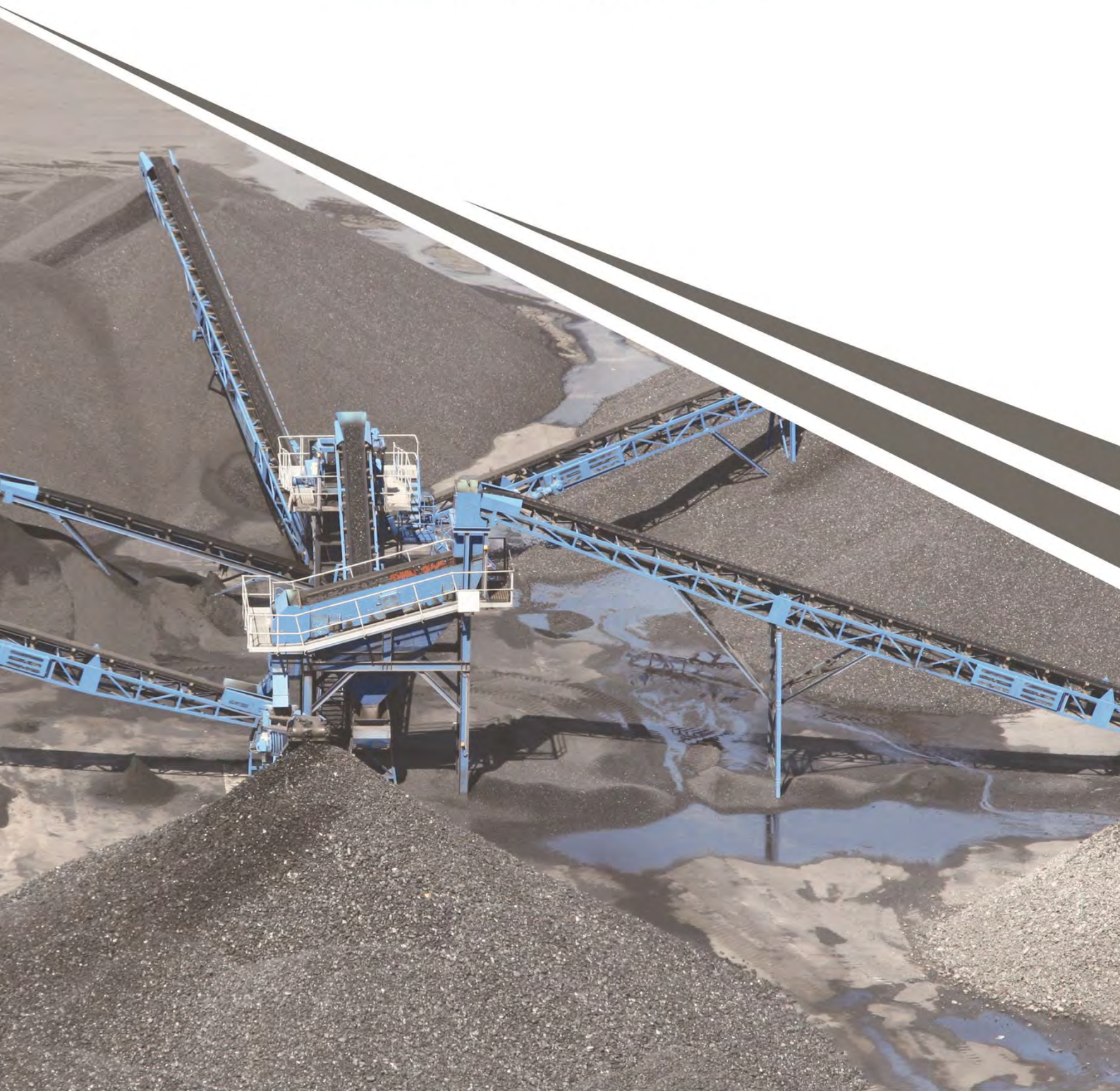




HENAN EXCELLENT MACHINERY CO.,LTD

———— COMPANY PROFILE ————



Company Profile



Henan Excellent Machinery Co.,Ltd (Abbreviate:EXCT) is a professional manufacturer of bulk material handling equipment with more than 30 years of experience. EXCT located in the National Hi-tech Industrial Zone of Xinxiang City and occupies an area about 39,600 square meters. It owns 15,800 square meters of standard heavy-duty industrial plants and more than 140 sets of advanced machining processing, riveting and assembling equipment. EXCT has more than 210 employees, including 52 engineers and technicians.

EXCT core competitiveness is the design and manufacture of bulk material handling equipment. Including Double Tooth Roller Crushers, Vibrating Screens, Trommel Screen, Belt Conveyor, Pipe Conveyor, Air-supported Belt Conveyor, Corrugated Sidewall Belt Conveyor, Belt Bucket Elevator, Chain Bucket Elevator, Central Chain Bucket Elevator, Apron Feeder, Pan Conveyor, Trough/Drag Chain Conveyor, Screw Conveyors and Spare Parts etc. These equipment are widely used in mine, port, power plant, coal, metallurgy, building Materials, chemicals, grain, food and other fields.

With the new round of industrial and technological revolution, new technologies and new products have been widely applied in the world, so the world has accelerated the speed of communication and integration, EXCT is also actively developing into overseas markets, By 2019, EXCT products have been exported to 90 countries and regions in the world. Including Russia, USA, Germany, Australia, Malaysia, Indonesia, South Africa, Iran, Chile, Vietnam, Singapore, Mauritius, Pakistan etc. EXCT adhere to the service concept of “win-win cooperation, create more value for customers”, keep pace with the times, persist in innovation. Providing higher quality products, more advanced technical support and faster global service.



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

Manufacturing-Facilities

MACHINING WORKSHOP PROCESSING EQUIPMENTS



CNC FLOOR MILLING AND BORING MACHINE



CNC TURRET PUNCH PRESS



CNC HIGH SPEED GANTRY MOVING FLANGE DRILLING MACHINE



FOUR-COLUMN HYDRAULIC PRESS



LATHE



CNC PLANER HORIZONTAL MILLING AND BORING MACHINE

RIVETING WORKSHOP PROCESSING EQUIPMENTS



CNC BENDING MACHINE



CNC FLAME PLASMA CUTTING MACHINE



LASER CUTTING MACHINE-1



PROFILES STEEL CUT-OFF MACHINE



WELDING ROBOT



WELDING AREA

SURFACE TREATMENT WORKSHOP PROCESSING EQUIPMENTS



ROLLER-THROUGH SHOT BLASTING MACHINE



ENVIRONMENTAL PAINTING ROOM



SPRAY BOOTH

Trommel Screen

Trommel screens is a kind of precise classification equipment with a wide rang of application, especially for the screening compost, organics, glass, stone, wood waste, etc. EXCT can offer a variety of models which has different capacity, it also can be customized according to the requirements of customer. Trommel screens aim to provide trouble-free classification, they can solve your separation question well.

Outstanding advantages

1. Barrel of trommel screen includes infeed diverter rings for minimizing the material loss.
2. Modular replaceable screen segments according to customer requirements. The customer chooses woven wire and plate based on their demands.
3. Employees are allowed to enter the trommel screen for maintenance and inspection
4. The mainframe of heavy steel structure is a significant component, which designed for minimizing material accumulation.
5. Heavy duty structure includes integrated leveling system for easy installation.
6. Nylon bristle, cleaning device can be replaced quickly and individually for minimizing downtime of equipment and improving efficiency.
7. Trunnion components mounted to heavy duty roller bearings to prolong service life.
8. low stress welded, structural tubing lifter assemblies.
9. Alternative feed and discharge chutes.



Circular Vibrating Screen



Circular vibrating screen use gravity to help move material down the deck and a circular stroke to stratify the material for sizing. It is available for smelting, quarry, coal preparation, ore dressing, energy, power, chemical, construction material industries. Its screen angle can be adjusted from 15-20° .

Outstanding advantages

1. Using low-stress damping springs, low running noise.
2. Mature technology, advanced production technology, durable and reliable
3. The vibration exciter adopts super-heavy big oil-gap bearing, low operating temperature and long service life.
4. Optional cross member liners are available, bolted design (not glued), allowing easy and fast replacement when worn out.
5. Use ring shaped rivet and plate-type sieve box frame structure, high strength screen frame structure.
6. Adopt punching sieve or steel sieve mesh, which can make the material stuck in the sieve hole out, prevent the clogging of the mesh.



Dewatering Screen



The commonality and excellent performance of dewatering screens can ultimately accurately classify different materials. Dewatering screens dewater material and sludge and produce bulk material which can be transported with standard means.

Outstanding advantages

1. An integrated feed box eliminates the extra cost of a high wear bolt-on unit.
2. Over hundreds of Bolts in the side plates but no welds, the side plate has no residual welding stress and no material discontinuities to compromise the fatigue strength of the machine. This important feature contributes to the exceptionally long service life.
3. Good force exciter makes the ideal drivers for linear motion vibrating screens. Oil lubrication and optimized roller bearing and gear pairing ensure smooth running, longer exciter working life, resulting in outstanding economy.



Vibrating Feeder

Vibrating Feeders are used to feed raw materials or finished products into mixers, furnaces, production processes or final containers. Available in a wide variety of styles and finishes, ideal for foundries or the chemical, food, metal or paper industries.

Outstanding advantages

1. Small size, light weight, simple structure, easy installation.
2. Vibrating feeder also can be tube type, adapted to fragile particles.
3. Lower production cost and improved quality and throughput.
4. Reduced cost of maintenance and part replacement.
5. Flexibility in design options ensures a seamless fit into your existing production.



Fixed Belt Conveyor



Belt conveyors are used to transport all types of bulk material and unit loads—both horizontally and sloping. Belt conveyor machine consist of conveyor frame, conveyor belt, conveyor pulley, conveyor rollers, tension devices, driving unit and other components etc.

Outstanding advantages

1. Can transport many kinds of materials. All kinds of bulk materials, also include lught weight products such as cartons and package bags.
2. Optional moving selection of belt velocity ($0.8\text{m/s}\sim 4.0\text{m/s}$). Work stably with less belt deviation and materials spillage
3. Stable convey, no relative movement between the material and the conveyor belt, to prevent damage to the conveying object.
4. Good statically and dynamically balanced for vibration free installation in steel structures.
5. Compared with other conveyors, it has less noise and is suitable for occasions where the working environment is relatively quiet.



Pipe conveyor is a new type of belt conveyor. It is an enclosed curve structure, suitable for a variety of bulk material transportation systems. It can manage horizontal as well as high inclination. Due to its tubular shape, it can protect conveyed material and conveyor belt. Overall savings in space requirement, structural and foundation cost, thereby making the investment decisions easier.

Outstanding advantages

1. Close transport of bulk materials
2. Curved arrangement of conveying lines in space
3. The conveyor machine width is small
4. Can increase the conveying inclination.
5. Two-way conveying of materials.

Pipe Conveyor



Air Supported Belt Conveyor



An Air Supported Belt Conveyor efficiently transports bulk materials, utilizing a cushion of air to support the belt and load. Friction between the tail section and discharge is decreased creating annual savings in housekeeping, energy costs, and parts replacement.

Outstanding advantages

1. Small power, low energy consumption, reduce the friction between conveyor belt and conveyor idler, reduced motor power
2. Under the same conditions, the power of the air supported conveyor is the same as the power of operation, no additional power increase.
3. Compared with other belt conveyors, small quantity of conveyor idlers, low maintenance costs, long service life of the belt.
4. Small friction resistance of belt, reduce 10%-20% of driving power consumption
5. Enclosed transportation can avoid flying dust and is environmentally friendly.
6. Optional lightweight rubber belt and extended service life



Sidewall Belt Conveyor

Corrugated sidewall belt conveyor, having the advantages of the universal belt conveyor, such as the simple structure, reliable operation, convenient maintenance, etc. It also has the characteristics of large-angle transmission, compact structure, and small footprint. This is the ideal equipment for conveying materials with large inclination angles and vertical lifting.

Outstanding advantages

1. Large angle of transport
2. Low overall investment costs
3. Increase the height
4. It can be arranged in any range from 0° to 90° .
5. TLow energy consumption
6. The conveyor belt does not run away



Shuttle Conveyor



The shuttle conveyor is used for building an in-line, continuous pile, or for feeding multiple fixed discharge points. Similar to a troughed belt conveyor, reversing shuttle conveyors are designed with traveling shuttle functionality. It allows the conveyor to be moved along a track, as well as convey material in both directions, creating opportunity for extreme flexibility.

Outstanding advantages

1. The structural of steel frame is well welded to be strong and stable.
2. Controlled by local operation or by remote control station
3. EXCT provide safety and limit switches to raise the safety standard.
4. Reversible Belt Direction: The reversing terminology refers to added control of the belt's conveying direction. The ability to control this means that the reversing shuttle conveyor is not restricted to which end of the conveyor material can discharge from.
5. Controlled by Remote control station/Automation operation: Reversing shuttle conveyors can either be controlled from a remote location, such as a control room, by trained personnel, or automatically, through an automated program. This greatly reduces the labor cost of sorting and storing materials.
6. The conveyor has the ability to move along the rails in either direction and the belt can be switched for either direction, making this style conveyor great for evenly filling multiple hoppers or storage bins. The conveyor is typically half the length of the rails, giving it plenty of room for several discharge locations.



Portable Belt Conveyor

The portable belt conveyor is different from the traditional belt conveyor in design. The whole structure is light and reasonable. It can be widely used for indoor and outdoor loading-transfer operations of bulk materials, packaged materials and light industry products.

Outstanding advantages

1. Lifting height can be adjusted according to actual needs.
2. Using an electronic control box to regulate, realizes equipment's automation, avoids manual operation and saves human resources.
3. Equipped with universal wheels, the portable belt conveyor can be moved to anywhere for more working conditions due to its light weight.
4. Installing the guide slot and baffle at the tail, to avoid the material falling when feeding, and this design is more reasonable and humanized.
5. According to conveying direction, it can also be designed for downward conveying, which can be used for unloading. Therefore, the portable belt conveyor is also called loading belt conveyor or unloading belt conveyor.
6. Depending on the environment and conditions, the moveable wheel can be replaced with a pneumatic tire, which is convenient for the user while preventing crushing the ground.
7. The conveyor belt of the portable belt conveyor can also be replaced with the characteristics of acid and alkali resistance, corrosion resistance, and wear resistance according to the user's needs, it is convenient for use in chemical, pharmaceutical and other special industries.



Belt Bucket Elevator

The belt bucket elevator is designed for vertical delivery of granular, powdery and small abrasive materials with a small suction force. Belts are used as traction components, belt bucket elevators are widely used in mining, metallurgy, chemical industry, power plants, agriculture, quarries and other industries.

Outstanding advantages

1. High capacity vertical conveying
2. Extra heavy-duty design
2. Highly reliable and durable
4. Long service life



Chain Bucket Elevator

The chain bucket elevator is suitable for conveying powdery, granular and small pieces without grinding materials. It uses combined discharge or gravity discharge for excavating and loading materials. It is suitable for conveying powdery, granular, and small block bottom grinding materials with a bulk density.

Outstanding advantages

1. High capacity vertical conveying
2. Extra heavy-duty design
2. Highly reliable and durable
4. Long service life



Central Chain Bucket Elevator

Bucket elevators are used for continuous vertical transport of everything from fine-grained to coarse-grained materials and free-flowing to non-free-flowing (cohesive) materials. Even materials that are difficult to transport can be transported with our bucket elevators, even to great heights. Constant improvements in bucket elevators make it possible to reach very high throughput rates.

Outstanding advantages

1. Material flow with minimal spillage due to closely arranged buckets
2. Suitable for abrasive, hot, coarse and fine materials
3. High capacity, long service life, minimal operational costs, hermetically sealed against dust and gas
4. Heavy-duty design: heat-resistant and wear-resistant, even with abrasive materials
5. Stainless steel can be used if needed
6. The drive wheel adopts no-tooth friction drive to ensure smooth operation of the



Z Type Bucket Elevator



Z Type Bucket Elevator is designed to gently transport a variety of free-flowing bulk materials under dry, semi-dry or moist conditions. The unit is extremely suited to deliver products from single or some sources of supply to multiple locations through various discharge locations and stations.

Outstanding advantages

1. Increased full range of ultra-high polymer guide rails and chain friction blocks, equipped with a check device and electronic detection device, chain-breaking protection device, chain automatic tension device at a higher lifting height, making the equipment more secure and reliable.
2. The lifting chain uses a high-strength chain, which continues the characteristics of our food-grade plastic hopper in the size of the hopper.
3. Combined with anti-corrosion, heat resistant and other requirements, R & D designed a special stainless steel hopper.
4. The machine is combined in a sectional style, with optional horizontal length and lifting height. Flexible layout, small footprint, saving plant space, reduce pit depth.
5. Operation is safe and reliable, smooth and lower noise, low dust, easy to open and easy to repair, is an ideal new type of material conveying equipment.



Trough/Drag Chain Conveyor

The trough/drag chain conveyor is a conveying device that continuously conveys powder, granules, small pieces, and other loose materials in a closed casing utilizing a moving scraper chain. Because the scraper chain is embedded in the material being conveyed, it is called the trough/drag chain conveyor.

Outstanding advantages

1. The traction chain has high strength and can be used for long distance transportation. Processes of sorting, drying, cooling or assembly can be performed during the transport process.
2. SDrag chain conveyor has a simple structure, lightweight, small volume and floor space. Easy to produce, install and maintain.
3. Conveying airtight, dustproof, anti-virus, explosion-proof. Ambient temperatures of -20 to $+45$ ° C.
4. Wide range of applications, sealed conveying.



Screw Conveyor



Screw Conveyors are an economical and space-saving solution for transferring powders or granular materials from a lower to a higher level. The bulk material withdrawn from a silo, hopper, conveying or feeding device may be discharged by screw conveyor into a weigh hopper, into one or more bins or silos, or into another conveyor or conveying system.

Outstanding advantages

1. Simple structure, small cross-section size.
2. Ideal for conveying dry to semi-fluid bulk materials - free flowing to sluggish.
3. Cost-effective when compared to other conveying devices such as belt or pneumatic.
4. Efficiently distributes bulk materials to various locations using multiple inlet and discharge points.
5. Totally enclosed for dusty, corrosive or hazardous environments.
6. Modular components enable easy adaptation to various problems.
7. Fewer components minimize maintenance. The simple operation of a helicoid screw rotating inside a fixed tube keeps costs low, reliability high.



Pan Conveyor

Pan conveyors are particularly suitable for conveying materials gently. In all the details, the optimization technology is a guarantee of a reliable, low-maintenance service in the continuous production process, they are prerequisites for clinker feeding and clinker transfer points, with virtually no dust emissions.

Outstanding advantages

1. Pan conveyor is suitable for the transportation of bulk materials and granular materials without viscous materials. It is especially suitable for the transportation of materials with large blocks and sharp edges and corners, hot (such as cement clinker, etc.). Cooling can be done simultaneously in the process. Higher temperature materials (600° ~ 700°). It can also adapt to more demanding conditions, such as heavy logs, sharp ore and harmful chemicals.

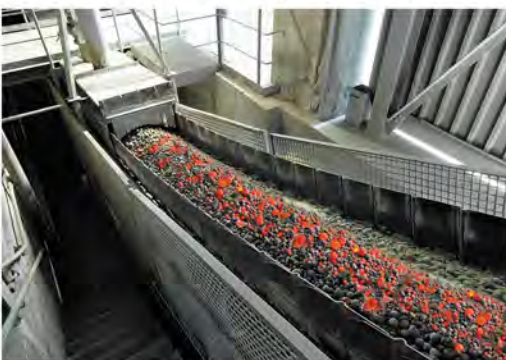
2. Compared to belt conveyors, pan conveyors can be transported at larger angles of inclination and smaller bend radii, thus providing greater flexibility in placement. The inclination of the slab conveyor can reach 30° - 35° , and the bending radius is generally about 5-8m.

3. In particular, the pan conveyor (generally called double-chain wavy pan conveyor) has a conveying capacity of more than 1000 tons per hour. -20 to $+45^{\circ}$ C.

4. The traction chain can be equipped with accessories of various structures to meet different conveying requirements of different materials and realize various continuous processes.

5. Various processes such as sorting, drying, cooling or assembly can be carried out during the conveying process.

6. High strength, high efficiency, reliable work, long-distance transportation, the current delivery length of up to 1000 meters.



Apron Feeders



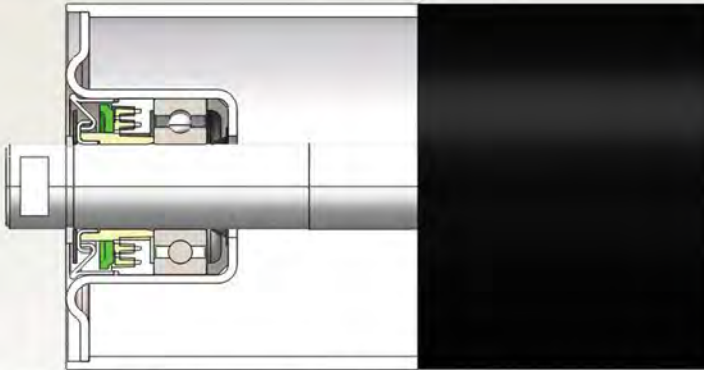
Apron Feeders are designed and manufactured in a variety of sizes to handle heavy, lumpy and abrasive materials. It also provides a reliable way to control the feed rate to prevent impact loads to primary crushers, belt conveyors and other plant and equipment.

Outstanding advantages

1. Using 16Mn steel plate with high strength and stiffness, to withstand great impact.
2. Standard track chain, no lubrication or deviation, for interchangeability and long service life.
3. The sprocket material is made of high strength alloy steel and quenched, which has excellent wear resistance.
4. Equipped with composite spring on the tail part, which can effectively buffer the impact load of the chain.
5. Segmented drive sprockets, easy to maintain without removing the chain plate.



Conveyor Idler/Roller



The conveyor idler/roller is an important part of any conveyor system because it is used to effectively support the conveyor belt and bulk materials. Conveyor idlers/rollers consist of housing, shaft, bearing, housing, seals and snaps. We mechanical conveyor idlers/rollers have a unique structure, reasonable accessories, accurate assembly, large capacity and long service life.

Outstanding advantages

1. Supply the various sizes of steel rollers to meet customers' requirements.
2. Automatic simultaneous welding, CNC milling of bearing housings.
3. Use cold drawn round steel with high surface accuracy as the shaft material.
4. Adopt precision deep-groove ball bearing of the international well-known brand.
5. The roller has good dynamic and static balance performance.
6. Low roller drag and friction to protect the belt.
7. Uniquely labyrinth seals design for definitely water/dust proof.
8. Low total indicated runout (T.I.R.), Less vibration.
9. Making sure long lifetime operation.



UHMW-PE Roller



UHMW-PE Roller is short for high-density polyethylene. UHMWPE/HDPE Roller is a linear polyethylene with a molecular weight of more than 3 million rollers. It is an outstanding plastic with the best self-lubrication, impact-absorbing properties and the highest resistance.

Outstanding advantages

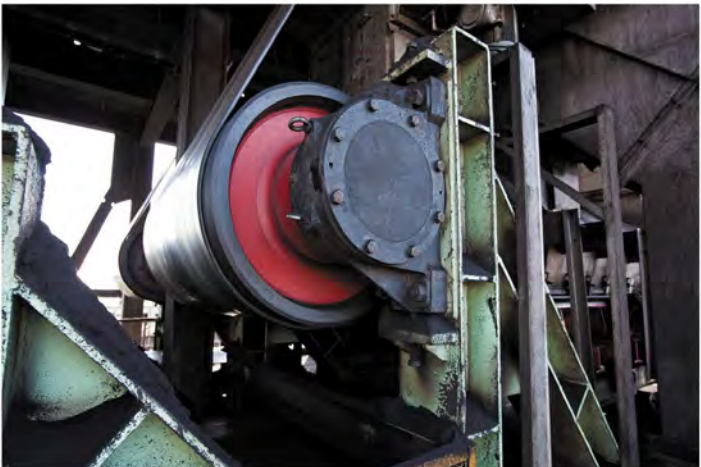
1. Abrasion resistance and long life
2. Impact resistance and Impact energy absorbing
3. Effective sealing system
4. Light weight and energy saving eding
5. Reduced belt damage



Conveyor Pulley



Conveyor pulleys play an essential role in the performance and reliability of belt conveyor systems worldwide. Because of this essential role that pulley selection becomes a critical process in keeping equipment up and running. If selection is conducted in haste, a conveyor pulley may be inadequately sized and selected, leading to premature pulley failure and costly downtime.

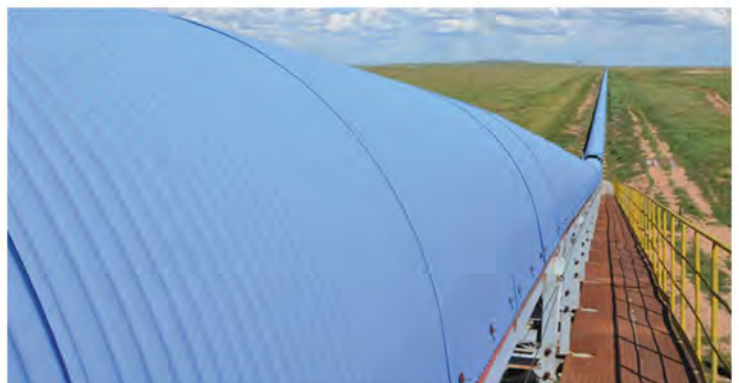


Conveyor Cover

The covers are used to protect the conveyed materials and to avoid the dispersion of powders. The necessity to protect belt conveyors may arise from the rain, from the volatile characteristics of the conveyed material, or the type of works plant.

Outstanding advantages

1. Easy and safe of operation for realizing inspection, maintenance and repair work at conveying systems.
2. Self-supporting hood-bracket system.
3. Opening, latching and closing both sides by one person without any tool.
4. No loose parts such as tightening straps, nuts or screwed connections when opening, latching or closing.
5. Additional attachment components are not necessary at the belt conveyor structure.
6. Cost-effective special solutions are possible.
7. Problem-free connection to junction plates or facing.



Vibrating Motor



The vibrating motor is an excitation source that combines one of the power supply and vibration sources. The vibrating motor is provided with a set of eccentric blocks at both axial ends of the rotor so that the shaft and the eccentric block can rotate at a high speed to generate a centrifugal force. The vibrating motor has a large vibration force, low energy consumption, low noise and long service life.

Outstanding advantages

1. Vibration force and power are properly matched, with large vibration force, light weight, small volume and low mechanical noise.
2. Since the vibrating motor is a strong resistance type vibration instead of resonance, it has a stable amplitude.
3. Wide vibration frequency range. The vibration frequency of the electromagnetic exciter is fixed, usually equal to the power step rate. The vibration frequency of the vibrating motor can be adjusted in a wide range by adjusting the rotation speed, the vibration frequency and amplitude can be arbitrarily selected according to different thorough routes.
4. When the influence of the power supply fluctuation is small, the electromagnetic exciter causes a large change in the excitation force due to the voltage change, but in the vibrating motor, this change is very small.
5. Multi-machine combination, can achieve self-synchronization to complete different process requirements.



Screw Conveyor Spare Parts

The screw conveyor consists of the screw body, the inlet and outlet ports and the drive device. The screw body includes head bearing, tail bearing, hanger bearing, screw, housing, cover plate and base. Drive device consists of motor, reducer, coupling and base. The universal joints, helicoid flighting, hanger bearings and reducers are the important spare parts.



Screw Conveyor Reducer



Universal joint



Helicoid flighting



Hanger bearing

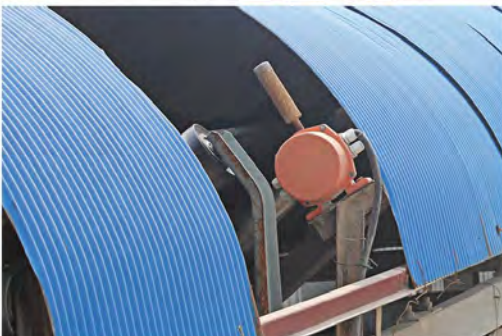
Belt Sway Switch



Belt sway switch is also called Run Off Switch. This switch allows the conveyor to run smoothly and prevents damage due to excessive rocking caused by uneven material loading, abrasion of the idler roller, etc.

Outstanding advantages

1. Smooth movement of roller ensures long service life.
2. Automatic Reset when belt resumes normal position.
3. Switches are protected against accidental over travel of the operating lever.
4. Standardized design and moulded construction allows interchangeability of parts.



Elevator Bucket

Our elevator buckets are made of HDPE, nylon, polyurethane, carbon steel and stainless steel. Different bucket types and sizes, more than twelve different bucket types are available for agricultural and industrial applications and can directly replace many other international brands. Unique bucket design with several patents.

Outstanding advantages

1. Capacity increase and weight reduction: Non-metallic drums reduce elevator weight by up to 80% while increasing the capacity of cast iron buckets by 25%.
2. Construction : Non-metallic barrels provide, non-corrosive, non-sparking properties. With thicker walls and thick excavated front lips, all construction materials are heat resistant, impact resistant and abrasion-resistant.
3. Reduce elevator maintenance: Extended bucket life, reduces elevator downtime and maintenance costs associated with bucket replacement. Buckets are easy to install and can be replaced with a variety of fasteners.
4. Cost Savings: Lighter weight reduces energy consumption compared to carbon drums. Non-metallic barrels provide a more cost-effective alternative to carbon steel drums.
5. Increase efficiency: The cleaner unloading bucket reduces material build-up at the bottom of the tank to maximize product yield.



EXCT Overseas

This is a century of information explosion in the 21st century. With the development of high-tech products and their wide application, the speed of global communications and integration has accelerated. EXCT attaches great importance to technical exchanges and strategic cooperation with other countries. What's more, we actively explore overseas markets through mature products and perfect service systems. Our products have been successfully exported to many countries and regions.



Under the background of global economic integration, EXCT builds global strategic goals, improves overseas business models, fosters high-quality, complex talent teams, adapts to international markets to participate in international company competitions, continuously enhances the company's global competitiveness and further leads domestic leapfrogging development .

The company adheres to the "welcome to enter and leave" policy, actively participates in international technology exchanges, and invites world-class experts to inspect. The company actively introduces international advanced technology, establishes relationships with a number of well-known international mining machinery manufacturers, and establishes sales points in some countries and regions.

EXCT Overseas

One of the benefits of working with EXCT is that we not only design and manufacture our own equipment, but also provide start-up services and ongoing support for the entire life cycle of the product.

EXCT has a global team of full-time, well-trained field service personnel who can assist with start-up and maintenance operations on site. We know that downtime can be expensive, and our field service technicians are qualified to make your operations run smoothly.



Our partnership with our customers does not end with the purchase of equipment. We will serve you in the life of the machine. Whenever you need us, we can provide you with technical assistance and on-site service.

Customers can contact EXCT customer service 24 hours a day, seven days a week via email or mobile phone.



EXCT committed to be the best supplier in the world



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