

# HENAN EXCELLENT MACHINERY CO.,LTD

BULK MATERIAL HANDLING



# APRON FEEDER

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## BULK MATERIAL HANDLING SOLUTION

Apron Feeders are designed and built in a wide range of sizes to handle heavy, lumpy and abrasive materials, and provide a reliable means of controlling the feed rate to prevent surge loads to primary crushers, belt conveyors and other plant and equipment.



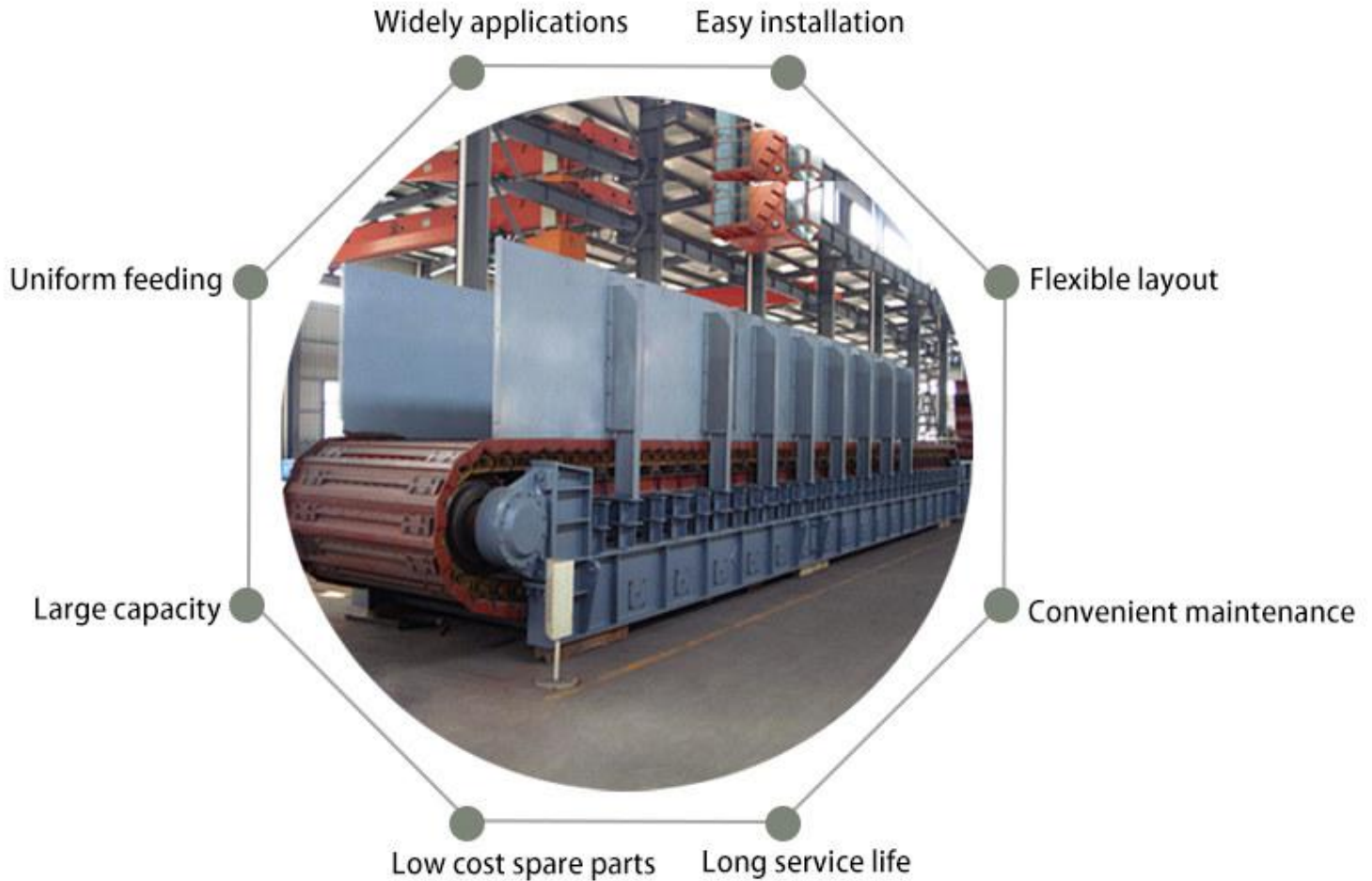
## OUTSTANDING ADVANTAGES

- Born for the worldwide mining operation, and more than 30 years of production practices, various capacities, widths and lengths to meet customers' demands, in addition, keep our standard in quality, durability and dependable.
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.
  6. Traction chain and load chain are separated, so the dynamic load is small to achieve extending life.

## Benefits

Avoid the blocking to the crushers and other device at a uniform conveying speed.

- 1.The bottom plate is provided with a scraping device, and the adhesive material and the material are less.
- 2.Frequency control, energy saving and easy control, convenient and adjustable material delivery, uniform delivery and feeding
- 3.Suitable for transporting high humidity and viscosity material.
- 4.Lower the maintenance cost.



## PRODUCT DETAILS



### PANS PLANT

According to different working conditions, we will choose the most suitable design to meet your requirements. Example, we use manganese pans to replace cast steel pans, with a longitudinal center rib, avoiding excessive deflections under high-impact loading and severely abrasive working conditons.



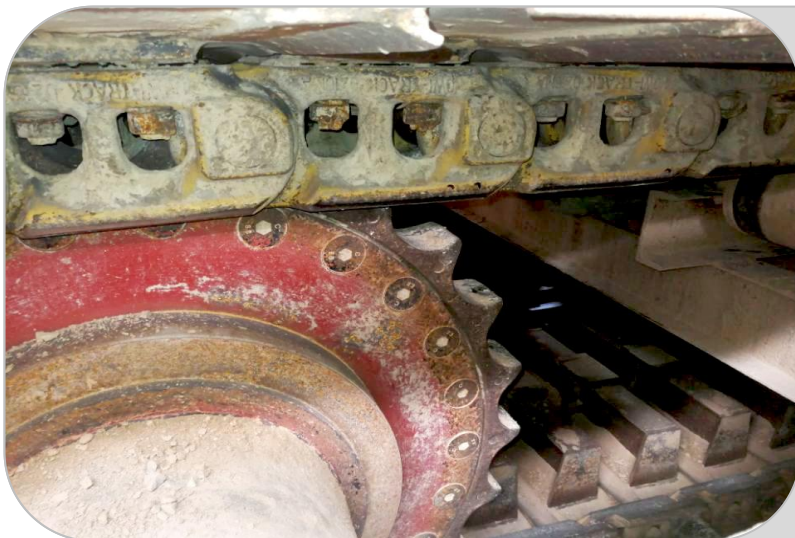
### **CHAINS**

The track chain is used in our apron feeder, because the pin and bush are made of heat-treated alloy steel. To withstand greater weight, the chain link is made by drop forging, which can effectively prevent the external sands entering, thus, prolong the chain life



### **SUPPORT ROLLER**

Single flange tractor type rollers are mounted on support members in groups of 2 to 4 units to make disassembly and replacement easier.



### **DRIVING SPROCKET**

Sprocket design features three cast manganese alloy steel segments that allow replacement of one segment at a time, without needing to dismantle the feeder or remove the chain, pans, skirts and material on the feeder.

Rather than taking multiple shifts to change out the drive sprockets, the upgraded design allows a changeout in just hours. In addition, a half-tooth design with an odd number of teeth is used to allow contact with the chain during every second revolution, which doubles the life of the sprockets.

## **INDUSTRY AND HANDLING MATERIAL**



EXCT® apron feeder is widely used in cement industry, mining industry, chemical industry, metallurgical industry, coal industry, power industry and other industries. Can be used to handle fine Silver, Kimberlite, Bauxite, Iron-ore, Coal, Limestone, Potash, sand and other materials

## APPLICATION INDUSTRY



Cement plant



Mineral processing



Chemical



Metallurgy



Port



Power plants

## HANDLING MATERIAL



Cement



Bauxite



Calcium carbonate



coal



Iron ore



Clay ore

## CASR OF APRON FEEDER



**Project Name:** Heilongjiang Duobaoshan Copper Co., Ltd. Phase II Expansion Project

**Equipment Model:** BL1600-11.0

**Pan Width:** 1,600mm

**C-C Distance:** 11,000mm

**Angle of Installation:** 0°

**Handling Material:** Propyry Copper Mine

**Handling Capacity:** 2,000t/h

**Customer Name:** Heilongjiang Duobaoshan Copper Co., Ltd.

**Project Name: Limestone crushing & screening system for Qinghai Construction Co.,Ltd.**

Equipment Model: BL1800-6.0

Pan Width: 1,800mm

C-C Distance: 6,000mm

Angle of Installation: 12°

Handling Material: Limestone

Handling Capacity: 1,200t/h

Customer Name: Qinghai Construction Co.,Ltd.



**Project Name: Coal crushing & screening & conveying project for Xinjiang Zhongtai Chemical Co., Ltd**

Equipment Model: BL2400-9.0

Pan Width: 2,400mm

C-C Distance: 9,000mm

Angle of Installation: 10°

Handling Material: Coal Gangue

Handling Capacity: 2,500t/h

Customer Name: Xinjiang Zhongtai Chemical Co., Ltd

## SPECIFICATIONS

### Apron Feeder Technical Specifications

Model	Pan width (mm)	Speed (m/s)	Max feeding size (mm)	Rail (pcs)	Capacity (m³/h)	Length(m)
BL800	800	0.01~0.25	350	/	50~350	2~15
BL1000	1000	0.01~0.25	470	1	100~510	3~20
BL1200	1200	0.01~0.2	650	1	120~595	3~20
BL1400	1400	0.01~0.2	680	2	140~850	6~20
BL1600	1600	0.01~0.2	700	2	320~1300	6~20
BL1800	1800	0.01~0.15	800	2	500~1560	8~20
BL2000	2000	0.01~0.15	1000	3	500~1850	8~20
BL2400	2400	0.01~0.15	1500	3	500~2700	8~20
BL2800	2800	0.01~0.15	1800	4	1000~4000	10~20



EXCT committed to be the best supplier in the world



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