

HENAN EXCELLENT MACHINERY CO.,LTD

BULK MATERIAL HANDLING



APRON FEEDER

APRON FEEDER PROFILE

The apron feeder is a reliable feeding method for when the material to be conveyed is lumpy, abrasive, heavy, high temperature. it is a feeding solution more robust than a traditional belt feeder is required.

Apron feeders are designed to feed material at a desired handling capacity to downstream equipment. The conveyed material is on many overlapping pans attached to multiple strands of a heavy tractor crawler-type chain.



WHY CHOOSE EXCT APRON FEEDERS



Experienced engineers team provides scientific and reasonable technical solutions of apron feeder for each end user.



Excellent tooling, skilled technical workers, 30+years of production experience to ensure the quality of apron feeder reliability.



+200 successful cases of apron feeder in 40 countries and regions around the world.



Fast after-sale service, sufficient spare parts reserve to ensure the long-cycle stable operation of apron feeder.

MAIN APPLICATIONS FOR APRON FEEDERS



Crusher feeding

One machine covers full range of materials (cement, iron ore, sand, coal, limestone, fertilizers and so on.)
Unloading of material of any size range, size up to 1,500 mm
Suitable for a wide variety of abrasive materials
Each unit is tailor-made to suit crusher.



Wagon unloading

Receive mine material directly from dump trucks
Unloading of multiple trucks at once
Suitable for unloading in combination with other transportation equipment
High impact load resistance.



Hopper discharge

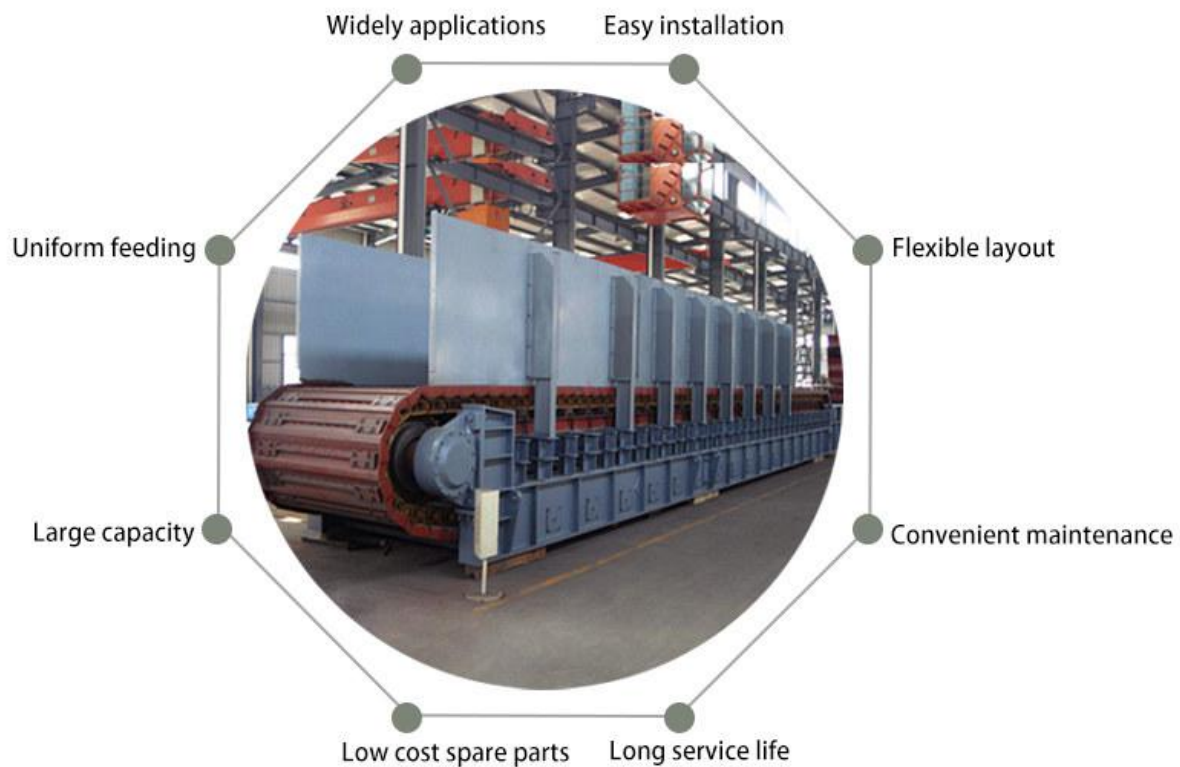
Pan of width up to 3,000 mm suitable for large block materials
Vertical or even negative angle walls for extremely sticky materials
Reasonable pan shape design for better cleaning



Stockpile discharge

Several short apron feeders in series
Unlimited on the height of material stockpile
Heavy duty design ensures Reliable material Extraction

APRON FEEDER FEATURES



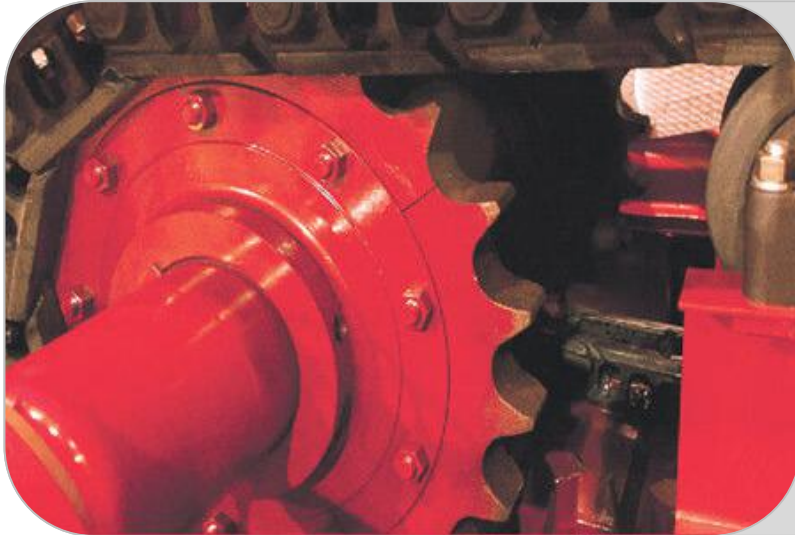
1. Heavy-duty ribbed pans are standard, avoiding excessive deflections under high-impact loading & severely abrasive working conditions.
2. Cast segmental track chain bolted to heavy steel hubs keyed to oversized front drive shaft.
3. Standard crawler-type under carriage parts have a long service life.
4. Rugged steel support frame with impact rails to limit pans deflection, thus eliminating permanent bending of the pans
5. The heavy-duty design delivers high availability, ease of operation, low maintenance and operational costs and greater profits.

APRON FEEDER SPARE PARTS DETAILS & FEATURES



PANS

According to different working conditions, we will choose the most suitable design to meet your requirements. For 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 conditions.



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.



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.

SPECIFICATIONS

Apron Feeder Technical Specifications

Model	Pan width (mm)	Speed (m/s)	Max feeding size (mm)	Rail (pcs)	Capacity (m ³ /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

SUCCESSFUL CASE 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: Prophyry 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

Project Name: Aggregate crushing & screening & conveying project for Anhui

Hongsen Construction Materials Co., Ltd

Equipment Model: BL2000-9.0

Pan Width: 2,000mm

C-C Distance: 6,700mm

Angle of Installation: 15°

Handling Material: Aggregate

Handling Capacity: 3,100t/h

Customer Name: Anhui Hongsen Construction Materials Co., Ltd



Project Name: limestone crushing & screening project for Guizhou Dute mineral Co., Ltd

Equipment Model: BL1,600-7.0

Pan Width: 1,600mm

C-C Distance: 5,700mm

Angle of Installation: 17°

Handling Material: Limestone

Handling Capacity: 2,200t/h

Customer Name: Guizhou Dute mineral Co., Ltd

Project Name: Copper Mine conveyor project for Liupanshui Copper Mine Co., Ltd

Equipment Model: BL2,400-7.0

Pan Width: 2,400mm

C-C Distance: 18,000mm

Angle of Installation: 0°

Handling Material: Copper Mine

Handling Capacity: 6,000t/h

Customer Name: Liupanshui Copper Mine Co., Ltd



Project Name: Limestone crushing & screening system for Xuzhou Tianlong Construction Co.,Ltd.

Equipment Model: BL2,000-9.0

Pan Width: 2,000mm

C-C Distance: 12,000mm

Angle of Installation: 0°

Handling Material: Limestone

Handling Capacity: 5,300t/h

Customer Name: Xuzhou Tianlong Construction Co.,Ltd.



EXCT committed to be the best supplier in the world



Henan Excellent Machinery Co.,LTD

Tel : +86 373 5828866

[Https://www.exctmach.com](https://www.exctmach.com)

E-mail : info@exctmach.com

Address : Middle of Xinchang North Line, Xinxiang City, Henan Province,China.