



BELT FEEDER

FLOW CONTROL MANAGEMENT

BFC & BFS Series

BELT FEEDER

PSACO offers heavy-duty belt feeders that are capable to handle nearly any material. Belt feeders are commonly used when materials are either stockpiled or loaded (in an uncontrolled rate) in a bin or hopper that needs to be introduced into the system at a controlled feed rate. Belt feeders are able to handle a variety of materials and useful in an endless amount of applications.

WHY PSACO BELT FEEDER

- **Accurate and continuously feeding**

According to the type of drive and excitation system, the belt feeders are able to feed continuously with the lowest noise, and by using frequency converters, charging accuracy can be increased to a great extent.

- **Allows for the maximum utilization of motor power**

The transmission of power through standard connection to gearbox or planetary gear directly increases the efficiency of the machine.

- **Can handle wet or sticky materials**

In designing the belt feeder we consider all specific requirements for materials that are being moved, as well as capacity and geometry.

- **Dust proof and environmental-friendly**

The use of a full machine cover in PSACO belt feeders prevents from dust emission, also this facilitates the ability of machine to be used in any environments and applications.

- **Low maintenance and operation costs**

Using a wide range of durable equipment with high performance coefficients in the PSACO belt feeders will significantly reduce repairs and breakdowns in them.

Belt feeders are for efficient heavy-duty materials handling

PSACO is an industrial leader in designing and manufacturing of all kinds of material handling equipment including belt feeders for a wide range of industries and applications.

PSACO belt feeders are inherently steady in operation and when combined with a variable speed drive, provide exceptional control over material flow rates .

Belt feeders can be applied to withdraw fines or wet materials under hoppers or stock piles to provide desired continuous feed rates for the screen of crushers and the conveyor of truck loading and dosin systems too.

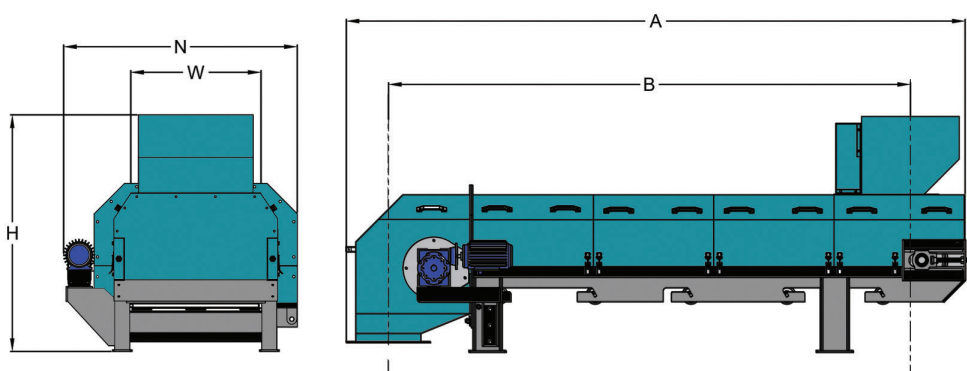
PSACO belt feeders consist of **BFS** Series for normal purpose, also for more accurate models are known as **BFC**.

Belt feeders are developed according to strict safety standards, easy maintenance transport and installation. Belt feeders are widely used in mining operations, steel and cement plants applications, as well as iron ore concentrate and sponge iron ore plants, fertilizer plants, and in grain industry or anywhere bulk material handling is required.

PSACO Belt Feeders are able to regulate material flow rates based on either volume or tonnage. Volumetric feeding is achieved by designing a belt feeder in motion with a material flow gate. The volume of fed materials are dictated by the speed of the belt and the height of gate. For regulating material flow by tonnage, a belt scale is used to provide feedback to the drive of feeder.

The advantages of belt feeders versus other types of feeders

- Allows for magnetic separation
- Handles abrasive materials well
- Smoothness of operation
- Steadily material discharge
- Quiet operation
- Clean operating environment
- Low maintenance costs
- Safe operating environment



	Effective width (mm)	Overall width (mm)	Effective Length (C-C) (cm)	Overall Length (mm)	Power Consumption (Kw)	Max. Flow Rate (c.m/hr)
BFS-0640-N	650	1230	240 upto 400	300 upto 510	1.5 upto 4.0	240
BFS-0860-N	800	1430	300 upto 600	380 upto 760	3.0 upto 7.5	420
BFS-1010-N	1000	1750	500 upto 1000	630 upto 1320	5.5 upto 11	720
BFS-1212-N	1200	1960	600 upto 1200	760 upto 1540	7.5 upto 15	980

APPLICATIONS :

- Sponge Iron feedeing for DRI plants
- Clinker and other raw materials for cement plants
- Addetive feeding in EAF & LF Plants
- Sludge handling for process applications
- Rail and truck loading/unloading
- Granular products
- Coal Handling for power plants



Belt feeders are used to feed smoothly flowing materials with a maximum size of 120 mm. They can be used to feed vibrating screens, secondary or tertiary crushers and conventional transport conveyors that require a regular and continuous feed. They are generally mounted horizontally. The end of the belt is located under hoppers or stock piles. Thus, as the material is emptied through the rotation of the belt, the material must be supplied from the hopper above in a continuous flow, without the need for intervention. A vibration motor can be connected to the hopper to prevent blockages in the feeding hopper.



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