



Mass Weigh Feeders of complete range for most flow control applications



Weigh Feeders are widely used to feed bulk material in conveying system, in coal, metallurgy, cement steel & chemical Industry.

2 Load cells directly mounted at the end of Idlers ensure friction free load transfer. The digital speed encoder installed in the tail pulley ensures very accurate speed measurement. Compact Controller with PID control ensures effective trouble-free feed control. Siemens / ABB Geared motor, VF drives and associated Electrics.

Flexible Structure, easy to install, maintain. Spill proof belt, to reduce the impact of accumulated material on the equipment. Different Hopper & Shields to achieve dust proof environment. Open & closed Loop Controls

- Weighing accuracy :** ± 0.5%
- Feed rate:** 1~1000t/h
- Belt width:** 500-1800mm
- Feeding distance:** ≥2000mm
- Speed Range:** 0.01 - 1.5m/s
- Power:** 0.37~10kw





Data Sheet to be filled up & sent with dimensions

Application:			
<input type="checkbox"/> Totalize Rate	<input checked="" type="checkbox"/> Measure Feed Rate	<input type="checkbox"/> Control Feed Rate	<input type="checkbox"/> Batch
Feed Rate (minimum) :	<input type="text"/>	Batch Size (minimum) :	<input type="text"/>
Feed Rate (normal) :	<input type="text"/>	Batch Size (maximum) :	<input type="text"/>
Feed Rate (maximum) :	<input type="text"/>	Batch Time :	<input type="text"/>
For rate control application preferred drive type is AC (VFD)		Batch Frequency :	<input type="text"/> batches per <input type="text"/>
Accuracy Required :	<input type="text"/> % of <input type="text"/>		
Material Specifications:			
Ingredient Name :	<input type="text"/>	Chemical Name :	<input type="text"/>
Particle Size :	<input type="text"/>	Max. Lump Size :	<input type="text"/>
Bulk Density (Minimum) :	<input type="text"/>	Specific Gravity :	<input type="text"/>
Bulk Density (Maximum) :	<input type="text"/>	Temperature :	<input type="text"/> ° <input type="text"/>
Moisture Content % :	<input type="text"/> max <input type="text"/> min	<input type="checkbox"/> Dry	<input type="checkbox"/> Damp <input type="checkbox"/> Wet
Material Characteristics:			
<input type="checkbox"/> Abrasive	<input type="checkbox"/> Dusty	<input type="checkbox"/> Free Flowing	<input type="checkbox"/> Packs Under Pressure
<input type="checkbox"/> Adhesive	<input type="checkbox"/> Explosive	<input type="checkbox"/> Friable	<input type="checkbox"/> Rat Holes
<input type="checkbox"/> Bridges	<input type="checkbox"/> Floodable	<input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Toxic
<input type="checkbox"/> Corrosive	<input type="checkbox"/> Fragile	<input type="checkbox"/> Interlocks & Mats	Similar to <input type="text"/>
Types of Feeders known to be suitable for handling material:			
<input type="checkbox"/> Belt	<input type="checkbox"/> Vibratory	<input type="checkbox"/> Screw	<input type="checkbox"/> Rotary Vane

Process Flow:

- Material is gravity fed through [] [] wide x [] [] long bin discharge opening.
 - Material is gravity fed through [] [] diameter bin discharge opening.
 - Material is fed via [] type pre-feeder, [] weigh belt. If right angle, width of pre-feeder is [] [].
- Feeder discharges to: []

Weigh Belt/Feeder Construction Requirements:

Construction Type: [] Paint: [] Paint Tint (RAL): []

Materials of Construction; Frame: [] Contact Parts: []

Enclosure Requirements: []

Design Pressure Rating: [] [] Design Vacuum Rating: [] []

Dust Take-Off: [] Belt Cleaner: []



Installation Notes:

Ambient Temperature range: []° [] to []° [] Location is: []

Electrical Area Classification for weigh belt/feeder : Non-Hazardous (unclassified)
 Class [], Division [], Group [] and
 Class [], Division [], Group []

Electrical Area Classification for drive : Non-Hazardous (unclassified)
 Class [], Division [], Group [] and
 Class [], Division [], Group []

Electrical Area Classification for instrument : Non-Hazardous (unclassified)
 Class [], Division [], Group [] and
 Class [], Division [], Group []

Power available for motor/drive : [] VAC, [] Phase, [] Hz

