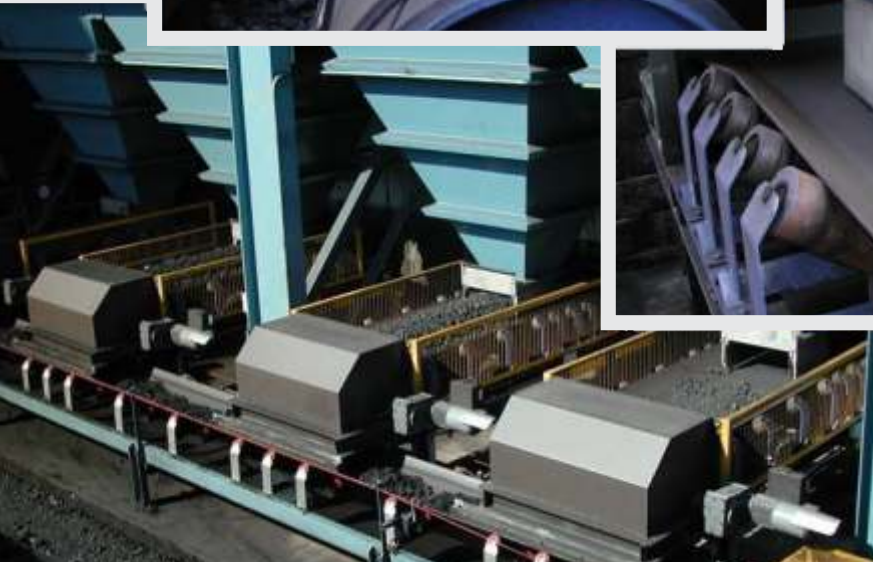


BELT WEIGH FEEDER



Industries:

- Cement
- Steel
- Glass
- Chemical
- Fertilizer
- Power
- Ceramic
- Allied

Enweigh Belt Weigh Feeders are designed for continuous heavy-duty environments either indoors or outdoors. The Weigh Feeders will accurately weigh any bulk solid material the conveyor will carry and will accurately control the flow rate of bulk material for product blending or process control.



ENWEIGH INDIA PVT LTD

www.enweigh.in

DYNAMIC WEIGHING SPECIALISTS

Solutions for weighing materials on the move.....

APPLICATIONS

The Weigh Feeder is used in continuous gravimetric, proportioning of normal flowing, flushing, difficult flowing, sticky materials and dry granular products at fixed or variable speed for various bulk materials in process industry.

The conveying rate is controlled by micro-processor-based automatic controller, which regulates the speed of drive. The variation in bulk density automatically compensated.

Solutions Offered :

- New Installations
- Retrofit of existing Mechanical & Electrical
- Modification kit of electrical panel & control system to existing Mechanical System
- Mechanical/Electrical/Controller Spares

Controller Features :

- Graphics display
- Easy to use menu selection of settings
- Fully automatic belt zeroing
- Programmable limit outputs
- Flowrate retransmission
- Material totalizer
- Modbus/Profibus/Ethernet/IP communications
- (Independent RS485 ports)
- 24VDC power supply



Weigh Feeder Features :

- Weighing Accuracy 0.5% and better
- Feed rates from 500kg/hr to 1000tph
- Wide range of lengths and belt widths from 650mm to 2000mm
- Open or Fully Enclosed units
- Direct driven shaft mounted motor and gearbox
- Epoxy coated Mild Steel or optional Stainless-Steel construction for special applications





ENWEIGH INDIA PVT LTD

MECHANICAL CHARACTERISTICS

- **Main frame:** CNC fabricated sturdy and heavy mechanical design for various applications under harsh conditions and longer operation life.
- **Infeed Hopper:** Designed to suit material flow characteristics.
- **Pulleys:** Mild steel fabricated, crowned, machined and running in self aligning antifriction bearing.
- **Idlers:** Life lubricated bearing, labyrinth seal and through shaft.
- **External and Internal Scrapers:** To ensure cleaning of built up/spilled material.
- **Replacement of Belting:** Easy and quick belt replacement without dismantling pulleys, idlers, measuring device and infeed hopper.
- **Measuring System:** Special load transfer mechanism to ensure high sensitivity, no effect of uneven loadings, consisting repeatability resulting in high accuracy.
- **Drive Unit:** Shaft mounted gearbox controlled by AC inverter.
- **Surface protection:** Fabricated parts epoxy painted, machined components, fasteners zinc passivated for long protection in extreme conditions.



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TECHNOLOGY

RELIABILITY

SERVICE

ELECTRICALS

Electrical Enclosure :

The Electrical Enclosure is mainly housed with Enweigh universal controller, AC Inverter, electrical interlocks, protection circuits, power supplies etc. Two or more measuring sections can be housed in each electrical enclosure.

Microprocessor Controller :

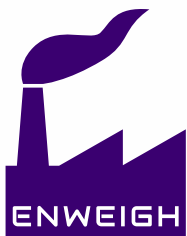
Series and proportioning device having the functions for weighing, measuring, counting, regulating, positioning, controlling, monitor-ing, data processing and indicating.

Standardized units and software modules allow solution to many functions by high comfort in adaption, operation and service.

Many additional functions e.g., group controls, Supervisory weighing control etc. can be provided in the form of standard hardware and software modules.

System Features :

- Rack based design
- Modular & upgradable structure
- 7" Colored Touch-screen HMI
- Web browser interface
- Data & Event Logging
- USB/Ethernet for data back-up
- Inputs and outputs
- Analog inputs (4-20mA/0-10V)
- Min 2 & Max 4 A/I & 4 A/O
- Direct relay output - 230V, 5Amp.
- Max 36 DI & DO
- Load-cell & Speed sensor
- Optically isolated loadcell inputs (Max 2)
- Optically isolated speed sensor
- Modbus RTU, Profibus, Ethernet/IP



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