

VTC - Electronic Weigh Feeder

The VTC Electronic Weigh Feeder is a reliable and compact device that offers accurate control of bulk solids feeding for continuous or burst operations. It has a unique design that allows for easy access to product supply and control, reduces wastage, and improves product quality through reduced blending.



0.5 to 70 TPH

Capacity

01:10

Control Range

Micro Processor Based

Controller

Design :

- Very Sturdy and Rugged Frame Design
- Quick Belt change mechanism ensures very low downtime.
- Designed for capacities from 0.5 to 70 TPH
- Unique Dual Load cell design for accurate weighing
- Feed control inputs from Driving as well as Driven pulleys to ensure Precise feed rate.
- Accuracy as high as $\pm 0.5\%SD$ on the set point

Electronics :

- Our Electronic controller ensures a trouble-free interface with the plant's processes and control system
- Specially developed software offers seamless integration with PLC or PC

Display Parameters :

- Belt load
- Measured rate
- Belt speed
- Totalized quantity

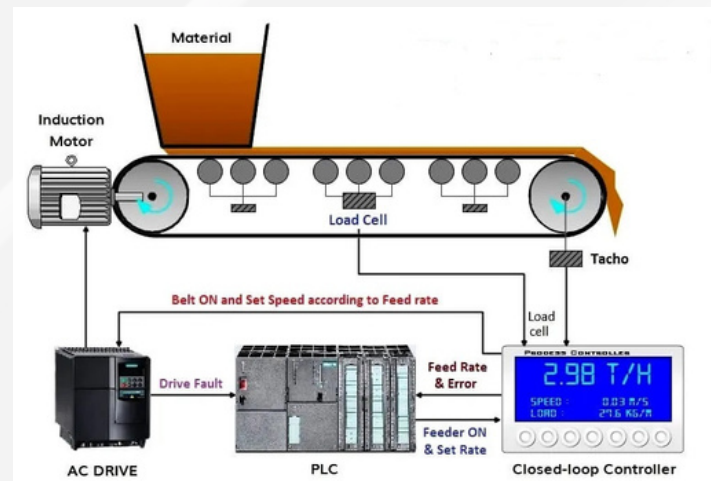
Technical Specifications :

Capacity	0.5 to 70 TPH
Belt Width	Up To 2000 mm wide
Pulley Centre	2000, 2500, 3000 & 5000
Control Range	01:10
Infeed Hopper	Designed as per material characteristics
Liners	Optional
Weight Sensing	By dual loadcell weighing mechanism
Speed Sensing	Digital Taco meter
Type of motors	AC 3-phase
Drive Mechanism	Direct coupled shaft-mounted drives
Speed Control	AC Variable Speed Drive / DC thyristor drive
Electronic Controller	Dedicated Controller
Accuracy	± 0.5% SD on the set point in the control range

Controller Specification :

Model	VEC
Type	Micro-Controlled Based
Housing	Aluminium Extruded
Display	Graphics LCD with LED
Front Keypad	Membrane foil with pressure sensitive keypad
Operating Temperature	0°C to 50°C
Digital Inputs	12 Nos. Expandable to 16
Digital Outputs	12 Nos. Expandable to 16 optically isolated
Analog Inputs	2 Nos. isolated (4-20 mA optically isolated)
Analog Output	2 Nos. isolated
Serial Interface	RS232/RS485/Profibus Connectivity

Controller & Control Panel :



Application :



Sand



Cement



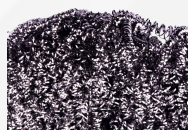
Stone Aggregates



Municipal waste



Fly Ash



Sponge Iron



Gypsum

And many more

VT CORP PVT LTD

Address: 901, Windfall, Sahar Plaza, J B Nagar, Andheri (East), Mumbai – 400059, India
 Tel: +91 22 6108 1200 | Mob: +91 9323125586 | Email: sales@vtcorp.in | www.vtcorpindia.com

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@vtcorpindia    

