



Gemtech Projects LLP

Batch Weighing System



GEM caters to the various requirements of clients by providing a wide array of Batch Weighing Systems such as Hopper Weighing, Tank Weighing, Silo Weighing and weighing solutions for both static and dynamic weighing. The weighing can be for cylindrical, rectangular, conical or for any shape of Hoppers. Our systems are very competitive and accurate based on the application.

GEM Batch weighing systems rest on three to four load cells as per the requirement in the application. Post production, these products are tested on various parameters, before delivering to our customers end.

The load indicator is tested for its capabilities under adverse conditions. With the incorporation of load cells and high precision electronic components, high reliability and linearity has been achieved, to operate even under hostile environmental conditions. Electronic control panel is provided with facility to transfer and store data along with thermal printing.



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Technical Specification :

Capacity	Upto 2 tons / Hr or as per Customer Requirement
Contact parts	Stainless steel or MS powder coated
MOC	Stainless steel or MS powder coated
Air supply	Compressed air 5 - 6 Kgs / cm2 continuous
Power supply	230V, 50 Hz Uninterrupted power supply with cable and socket, AC +/-10%
Operating Temperature	5°C - 50°C
Excitation to transducer	+5VDC, 4-wire system
Display	4" HMI / LCD Display
Features	<ul style="list-style-type: none">• Programmable parameters<ul style="list-style-type: none">• Over range• Set points• Tare and Calibration through keypad• System reset through keypad

It Consists of :

- Weighing Hopper with gate
- Pneumatic Cylinders
- Load cell Single Shear
- Control Panel
- Loadcell Cable
- PU12 Tubes
- Pneumatic gate ON/OFF Push Button Box
- Hopper fixing MS Structure
- Pneumatic Cylinders Accessories
- Loadcell Mountings
- Thermal Printer
- Loadcell Junction Box
- Pneumatic solenoid Box

Application :

Batch Weighing System is widely used in Food Processing and Agro Industries. Some application areas have been mentioned:

- Coconut Shell Activated Carbon
- Ashwagandha Root (Withania somnifera)
- Isabgol Seeds
- Masala Mills
- Spices
- Corn
- Coal Activated Carbon
- Soya Bean Seeds
- Wheat
- Rice
- Vegetable
- Soya



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