

BATCH WEIGHERS

Weigh Hopper



Weigh Hoppers are normally enclosed and cone shaped with flat top. Normally the weigh hopper is supported by 3 units electronic load cell mounted on a steel support frame. The top plate is connected to the feeding equipment outlets using flexible hose material. The discharge at the hopper cone bottom is equipped with a pneumatic butterfly valve. At the hopper plate there is a nozzle connector which can be connected to a static dust vent or to the plant central dust suction system.

Batch Weigh Control Panel



A Batch Weigh Control Panel is normally supplied with the weigh hopper. The control panel houses the motor starters for the feeder equipment, weight indicator and controller, PLC to control automatic sequential operation of the material feeders. The weight indicator and controller is digital display type with setters for final weight, prelim weight, auto tarring and material weight in flight compensation. Normally the feeders are controlled by frequency inverters to enable fast and slow feed rates for optimum weighing accuracy. For the more advance models the system is operated with PC, software program to setting recipe, and weight record printing.

TECHNICAL SPECIFICATIONS

Material to weigh	- All kinds of free flowing dry powders
Weighing capacities	- 500 kgs to 3000 kgs
Material inlet	- At weigh hopper top equipped with flexible hose
Material outlet	- At weigh hopper bottom equipped with pneumatic butterfly valve
Weight sensor	- Electronic load cells
Weight Indicator/controller	- Digital display type with setters for final weight, prelim weight, auto tarring and material weight in flight compensation
Weigh control panel	- PLC to control auto weighing operation - Frequency controller for fast and slow feed - PC operated is optional - Printing for weighing record is optional