

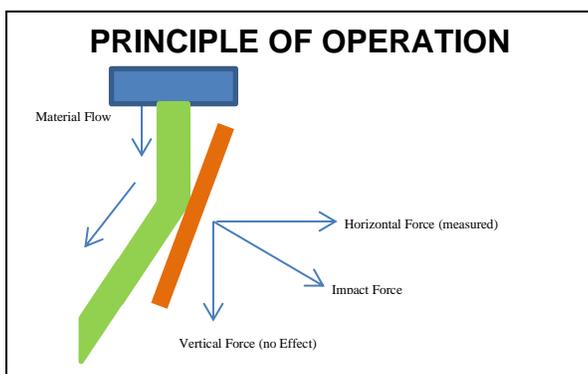
The Flow Force Technologies **Series 3 Impact Weigher** is a unique device for measuring the mass flow rate of flowing particulate materials. It is relatively simple and compact whilst providing accurate measurement of bulk solids and powders.

The **Series 3 Impact weigher** is designed for gravity feed applications operating at low, medium or high mass flow rates where a constant fall height is available. The horizontal component of the impact force, generated by a stream of flowing material striking a force sensitive surface is measured using a patented technique based on the load cell principle, thereby eliminating errors arising from the lever effect employed by other in-line weighing devices.

The New **XR-1 Controller** tracks and records the number of batches weighed, the maximum, minimum and average flow rates and the total weight.

The unit is supplied as a complete system ready for use after connecting electrical power.

The unit is extremely rugged in construction and does not require any routine maintenance or mechanical adjustment.



## APPLICATION DATA

Selection of the most suitable model for the application is based on an assessment of Feed Path Dimensions; Material type; Bulk Density; Max. Particle Size; Max. Temperature; Angle of Repose; Max/Min. Flow Rates; Purpose of Measurement; Operating Conditions; Accuracy Required.

Specification Sheet available at [http://flowforce.com.au/impact\\_weighers/](http://flowforce.com.au/impact_weighers/)



**SERIES 3B**

The **Series 3** style has a number of different versions (3A, 3B, 3C & 3D) to accommodate different types of feed chutes, and is available in both standard and **MAGNE//FLO™** configuration.

## FEATURES

- **TOLERANT TO:**
  - **OVER-LOAD**
  - **MATERIAL BUILD-UP**
  - **CLEANING-IN-PLACE**
- **OPERATOR-FRIENDLY KEYPAD.**
- **COMPUTER COMPATIBLE INTERFACE.**
- **CUSTOMISED AS NEEDED.**
- **LOCAL MANUFACTURE.**
- **FLOWS UP TO 1000tph**
- **ACCURACY +/- 0.5% (of true weight)**
- **SIMPLE ON SITE CALIBRATION**
- **OPTIONAL BUILT IN SWEEP SAMPLER**



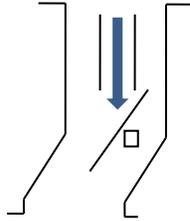
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## CONFIGURATIONS:

### Series 3

#### Method of Feed

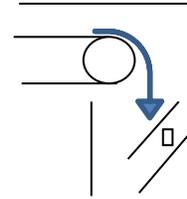
Screw Feeder  
Slow Speed Conveyor  
Air Slide or  
Vibratory Feeder



### Series 4

#### Method of Feed

Screw Feeder  
Slow Speed Conveyor  
High Speed Conveyor  
Air Slide  
Vibratory Feeder



## MECHANICAL DATA:

Inlet/outlet flanges:	To customer Specification
Dimensions:	According to application
Anti-wear material:	Bisalloy; Stainless steel.
Construction Materials:	Stainless Steel or MS Painted
Flow Range:	400 kg/h to 1,000 tonnes/hr

## APPLICATIONS:

- Alumina
- Cement
- Coal
- Grain & Fodder
- Mineral sands
- Sugar

## XR-1 CONTROLLER:



**Local Agent:**