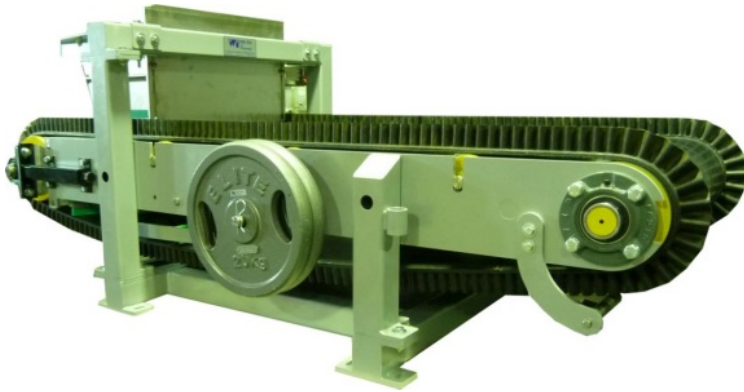


WT1700 Weigh Belt Feeder



The model "WT1700" is a "medium capacity" weigh belt feeders, Suitable for applications including product blending and process control nearly all industries. It has been successfully used in:

- Cement,
- Grain,
- Minerals,
- Pet food and many more applications.
- **Accuracies in the order of $\pm 0.5\%$ are achievable.**

Mechanical

- Open, partially enclosed, and fully enclosed construction.
- Mild steel powder coated,
- Optional stainless steel.
- Belt widths of 300mm, 450mm, 600mm, 750mm, 900mm, 1050mm and 1200mm
- "WT1700" has a maximum capacity of approximately 250m³/hour (depending on material type).

Standard features include:

- 1700mm Inlet to Discharge centres
- Cantilever design allows easy belt removal & replacement
- Automatic belt tracking system
- Lagged drive pulley
- Crowned tail pulley
- Gravity take-up for constant belt tension
- Scrapers on head & tail pulleys, and Vee plough on return belt
- "Horseshoe" type inlet of full inlet chute with adjustable shear gate
- Flexure based weigh frame
- Stainless steel precision IP68 load cell
- Stainless steel digital encoder for accurate belt speed measurement
- Shaft mount gear motor
- Special bearings suitable for harsh environments
- Fully enclosed screw take-ups
- Calibration chains or Weights

Electronic Controller

The "WT1700" weigh belt feeder is currently supplied with our "**Masterweigh Optimus**" electronics.

STANDARD FEATURES

- Microprocessor based. AMD Elan SC400 microprocessor running at 33, 66 or 100 MHz
- 110/240VAC or (optional). 24VDC supply
- All commands, readings etc. are entered via "thick film keypad".
- Simple Menu driven interface.
- Dot matrix 64 x 240 pixel graphics LCD with digitally adjustable LED backlight brightness
- No hieroglyphics are used.
- Local totaliser read out 8 digits wide. local mass rate read out 6 digits wide.
- Remote totaliser output +5V,10V Clean relay contacts per increment.
- Remote 4-20mA mass rate output.
- Programmable PID 4/20mA, 0/25mA & current loop, 0-10v
- All analogue and digital outputs are isolated.
- Programmable auto zero tracking Auto-gain: no user calculations required.
- Accepts belt speed input from high-speed optical encoders or magnetic pick-ups.
- Modular construction for ease of fault finding; and repair.
- IP66/Nema 4X rated enclosure

OPTIONAL FEATURES

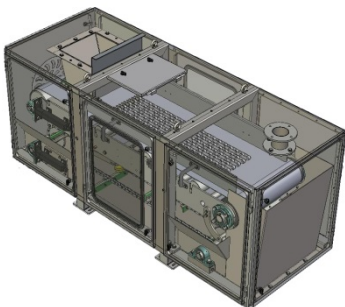
- 304 or 316 stainless steel enclosure.
- Sloping roof enclosures.
- Stainless steel sunshade.
- DIP enclosure.
- Intrinsic Safety barriers.
- Load cell lightning surge protection.
- RS232/RS485 serial output.
- Special applications software
- DeviceNet, EtherNet/Modbus Profibus



Options

Some of the options available for the model "WT1700" include:

Scraper Chain in cabinet floor
Controller



Extended Lengths



"Optimus Plus"



1800 777 906

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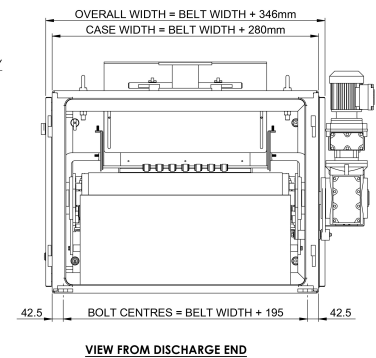
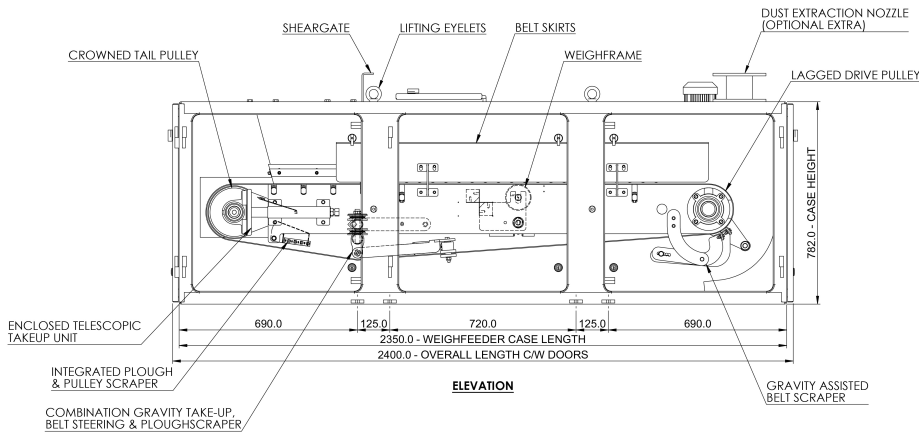
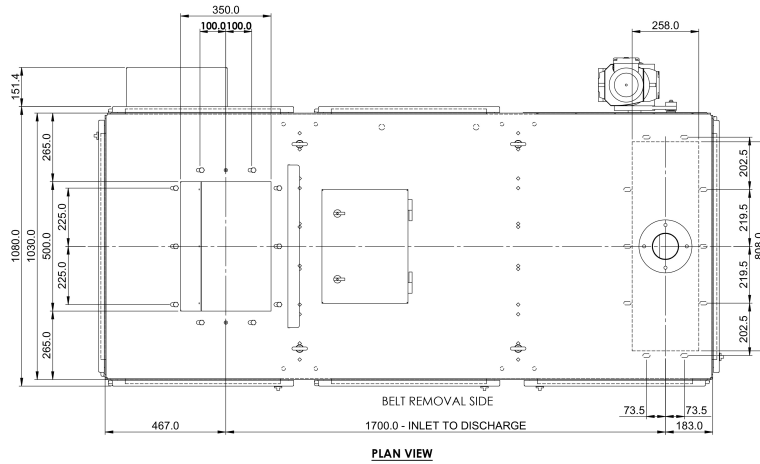
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AutoWeigh

Designers and Manufacturers of
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