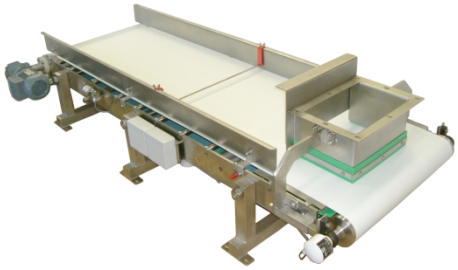
AutoWeigh
WEB TECH
Designers and Manufacturers of
Continuous Weighing and Feeding Equipment

WT2000 Weigh Belt Feeder



The model "WT2000" is an extended version of our model "WT1200" Weigh Belt Feeder, and is another Web Tech "low capacity" type weigh belt feeders. Suitable for applications including product blending and process control.
Extensively used in:

- Food industry
- Powder and pellet applications
- **Accuracies in the order of ±0.25% to ±0.5% are achievable.**

Mechanical Features

Web Tech AutoWeigh's model "WT2000" is available in both

- Open and enclosed construction.
- The internal aspects of the weigh belt feeder are manufactured from stainless steel,
- External enclosure can be supplied in either mild steel powder coated,
- Optional stainless steel External enclosure
- Available in belt widths of 300mm, 450mm, 600mm, 750mm, 900mm and 1050mm
- Maximum capacity of approximately 30m^3/hour (depending on material type).

Special Optional feature:

This model Weigh Feeder can be supplied with our ***inlet chute control system.*** This system is ideally suited for materials that aerate and have a tendency to flood.
The inlet chute control system incorporates an extended length inlet chute that is constantly monitored using a separate weighing system, or by level probes.
An output is provided to control a pre feeder.

Standard features include:

- 2000mm 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
- Digital encoder for accurate belt speed measurement
- Shaft mount gear motor
- Special bearings suitable for harsh environments
- Calibration chains

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WEB TECH AUSTRALIA PTY LTD. QLD 4113. AUSTRALIA. **ABN 50 010 764 431**

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Electronic Controller

The "WT2000" 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
- "Optimus Plus"

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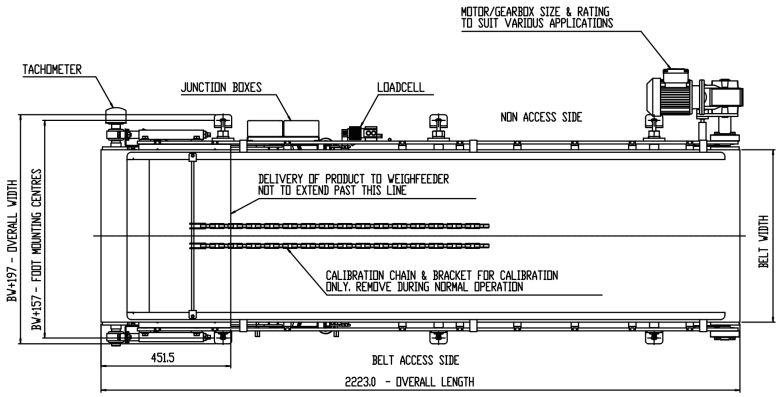
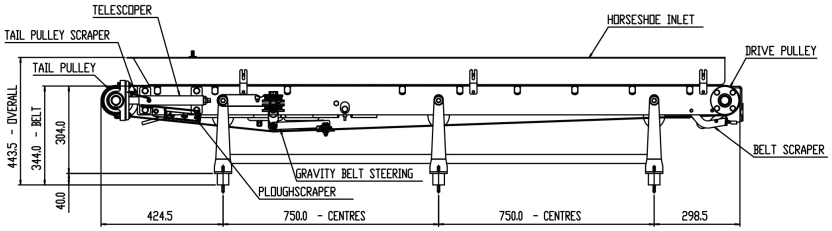
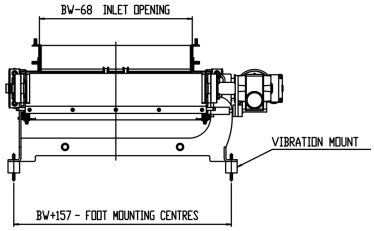


PLAN VIEW



SIDE VIEW



VIEW FROM DISCHARGE END

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