



Belt-Way Scales

In Motion Weighing Solutions



CONVEYOR BELT SCALES

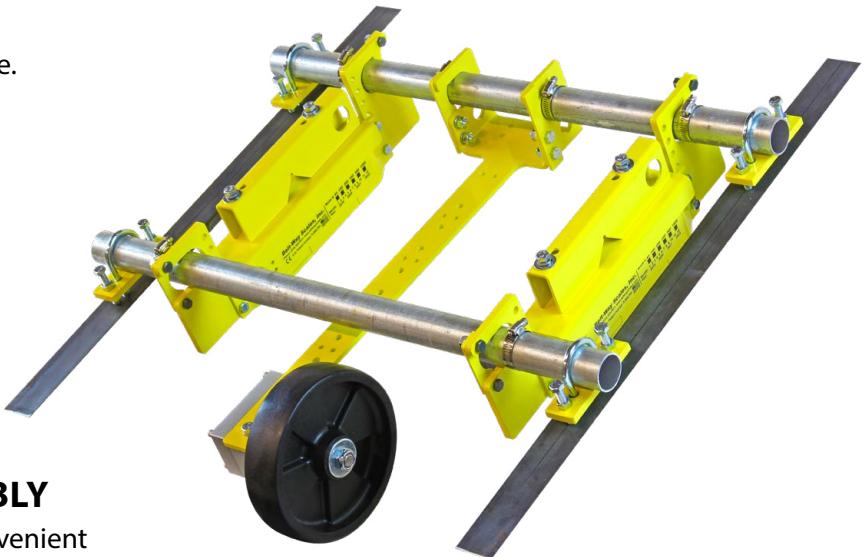
- Fits any width conveyor
- Easy to install
- Easy to calibrate
- Stays calibrated
- Durable
- Accurate
- Repeatable



SCALE FEATURES

FITS ANY WIDTH CONVEYOR

The modular Belt-Way® design is simple, yet versatile. The Belt-Way® scale fits any width conveyor.



EASY INSTALLATION/CALIBRATION

The unique Belt-Way® design is easy to install on virtually any stationary or portable conveyor. Initial setup and calibration are accomplished by using the Setup Wizard. Recalibration is easy. Follow the menu driven instructions to choose test weight, material test, or digital calibration.

SELF-STORING TEST WEIGHT ASSEMBLY

Test Weight calibration is the most popular and convenient method of conveyor belt scale calibration. The Self-Storing Test Weight Assembly makes calibration quicker, easier, and safer. Calibrate a scale in minutes. No more handling of test weights. Weights are easily lowered, or raised, from the cradle position. Calibration is performed from the catwalk on one side with no need to access both sides of the conveyor. The Self-Storing Test Weight Assembly also allows for quick, on-screen performance verification by simply lowering weights onto the scale.

ACCURACY

The Patented Belt-Way® Load Cell Assemblies house stainless steel high-quality load cells. Expected margin of error for a Single Idler Weighing System is +/-0.5%. Expected margin of error for a Dual Idler Weighing System is +/-0.25%. Expected accuracy is based on weight range of 25% to 100% of design capacity, when installed and calibrated according to Instruction Manual guidelines.

ADVANCED WEATHERPROOF ELECTRONICS - CE

The Belt-Way® Integrator (control box) features a state-of-the-art microprocessor with easy-to-read, multi-language, color graphic display. The weatherproof enclosure provides excellent E.M.I. / R.F. resistance for reliable operation. The Belt-Way® Integrator is fully CE approved. Options for 110-240 VAC or 12-24 VDC control power are available. The standard Ethernet port provides Modbus TCP, and feed to the Web based Plant Connect Production Reporting System. Expanded I/O communication capabilities include 4 programmable digital inputs, 3 programmable relay outputs, 3 programmable digital outputs, and 2 programmable analog outputs. Normal operating temperature range is -20°C to +45°C / -4°F to 110°F. The unit is suitable for outdoor use and up to 2,000 m / 6,500 ft elevation.

PRODUCTION MONITORING/DATA COLLECTION

The Belt-Way® Integrator is equipped with two RS-232 communication ports to drive a printer and a scoreboard display. The on-board USB port stores fault condition alerts, screenshots and production data files. The Remote Display shows real time information from multiple scales. The user can reset all scale totals and perform zero calibrations from this device.

THE BELT SCALE YOU CAN TRUST

APPLICATIONS

STATIONARY PLANTS

Accurate, repeatable tracking of product totals and ratios is a crucial element of plant management. The Belt-Way® Conveyor Belt Scale offers high resolution weighing of all products; even low flow rate applications. The patented self-aligning weighbridge accurately measures the force of material, without the use of levers, linkage, or other mechanical apparatus known to produce non-linearity. The Belt-Way® Scale is known for reliable performance without the need for constant recalibration.



PORTABLE PLANTS

Belt-Way® Scales are uniquely suited for all portable applications. Our modular design allows for installation on virtually any style conveyor, including low profile and spine conveyors. The patented weighbridge dramatically reduces the adverse effects of vibration and torque on the conveyor frame. Automatic angle compensation eliminates the need for recalibration due to a change in conveyor angle.

Daily, weekly, monthly, yearly, and resettable job totals, along with calibration and production data logs are stored on the internal USB drive for verification of production at each jobsite.



CATENARY IDLER APPLICATIONS

Designed for easy installation and repeatable performance, the Belt-Way® Scale offers a unique solution for accurate weighing on catenary style idlers. The catenary idler scale is popular on trackmounted portable crushers and asphalt milling machines. Automatic angle compensation eliminates error due to changing conveyor angle.



LOAD-OUT

Rail, Barge, Truck, and ship load-out require high accuracy in the most rugged environment. On stationary conveyors and stacker / reclaim conveyors, the Belt-Way® Scale is known for high accuracy at all flow rates. Applications include flow rates of up to 10,000 tons per hour. Built in load-out controls provide automated cutoff at user defined load amounts.



INDUSTRIES



AGGREGATE



MINING



AGRICULTURAL



ASPHALT



FORESTRY



CONCRETE



AGGREGATE



FRACKING



STEEL

If it's worth conveying, it's worth weighing.

THE BELT SCALE YOU CAN TRUST



Belt-Way Scales

In Motion Weighing Solutions

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