



# 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



[www.beltwayscales.com](http://www.beltwayscales.com)

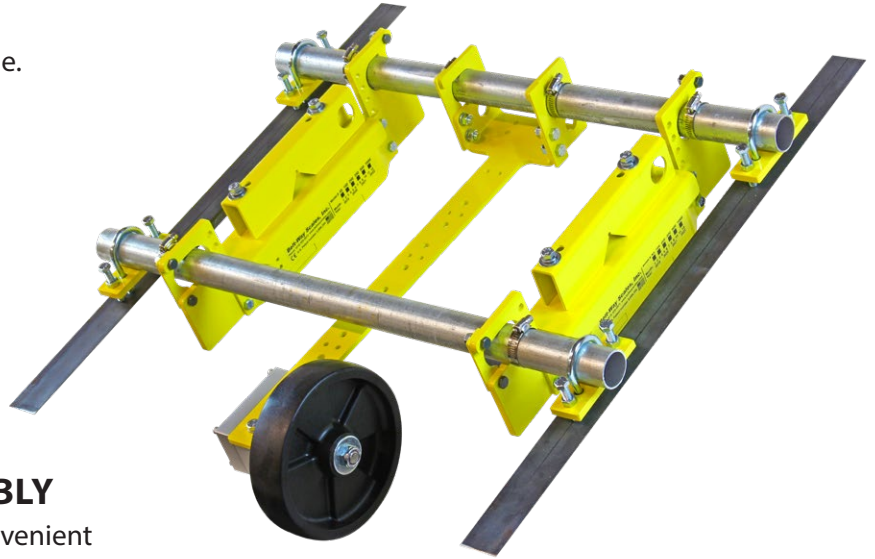
# SCALE FEATURES

## 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.

## 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

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## 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.



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## 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.

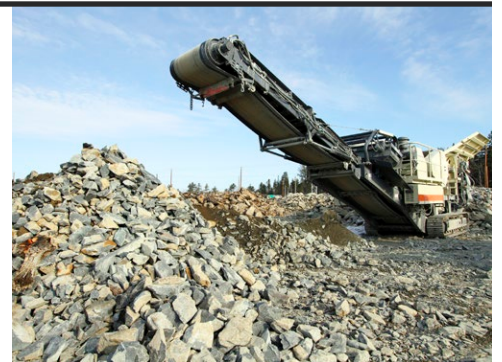
Daily, weekly, monthly, yearly, and resettable job totals, along with calibration and production data logs are stored on the internal USB drive for verification of production at each jobsite.



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## 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.



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## 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**

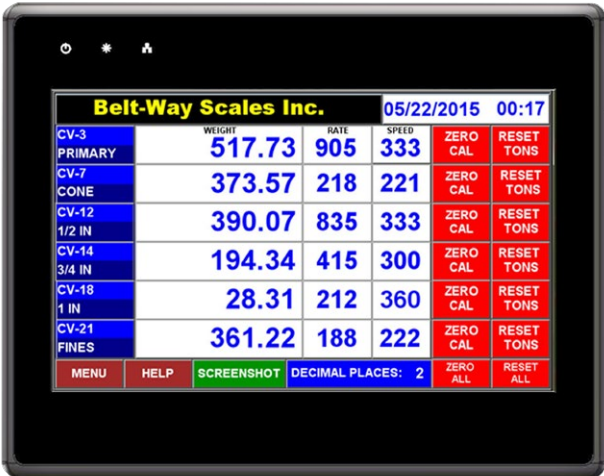
*If it's worth conveying, it's worth weighing.*

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# MONITORING

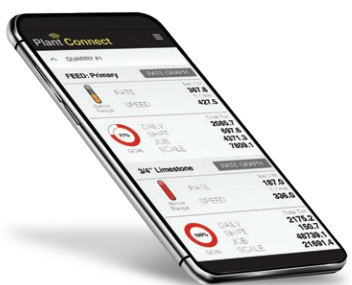
## REMOTE TOUCHSCREEN DISPLAY

Monitor one or multiple scales from a central location. Reset totals and perform zero calibration on any or all scales simultaneously at the touch of a button. Wireless connection options are available.



## PLANT CONNECT

Access detailed production reports displaying material flow rate analysis, downtime, empty belt time, efficiency reports, and more from any internet capable device. Onsite internet or cellular options are available.





Reduce Your  
Black Belt Time  
and Improve  
Efficiency

Introducing the  
**PLANT CONNECT APP**  
The future of production management  
Free with Plant Connect activation



Real Time Production Monitoring



No Onsite PC Required



Connect an Unlimited Number of Scales

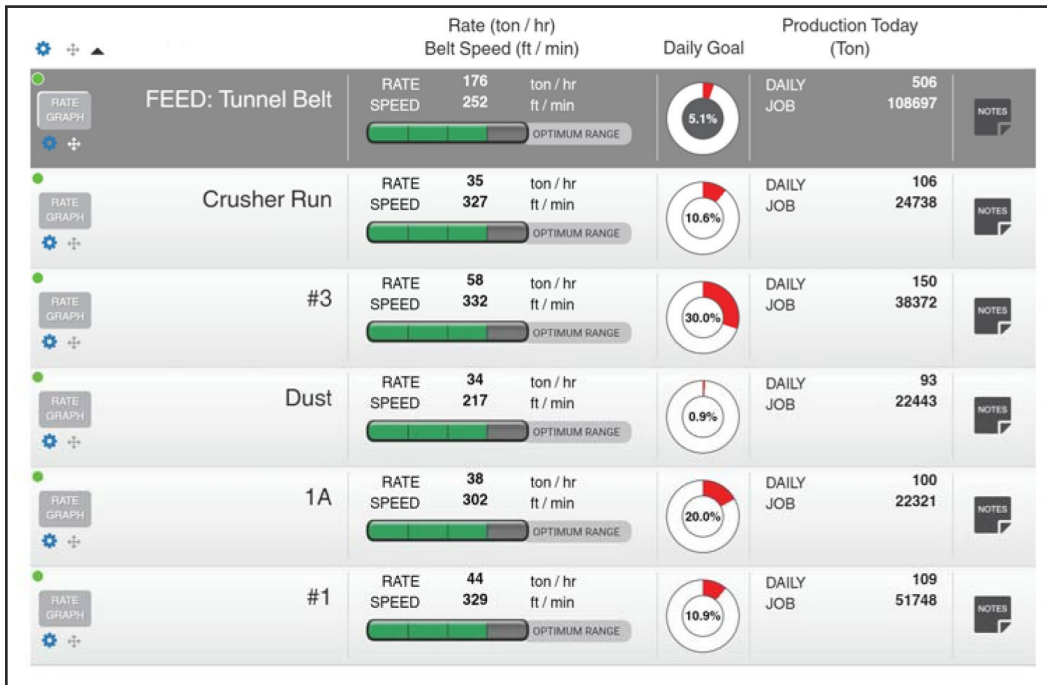


Production Reports On Demand

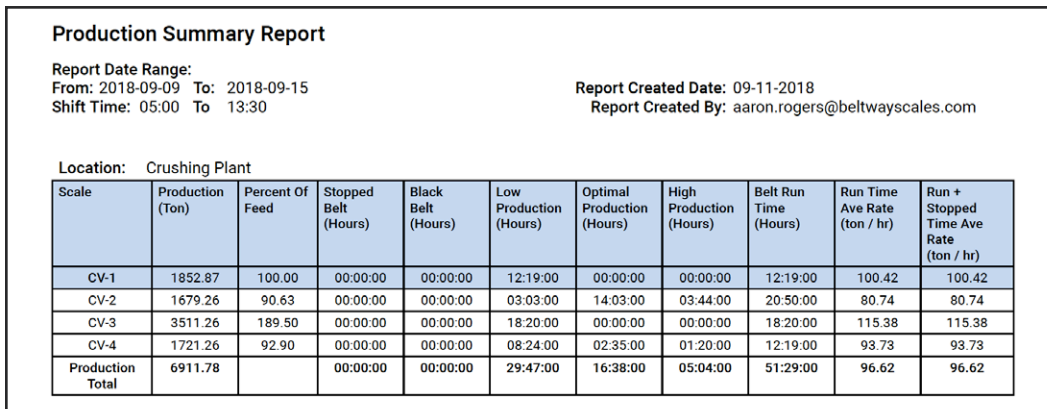


# PRODUCTION DATA SOLUTIONS

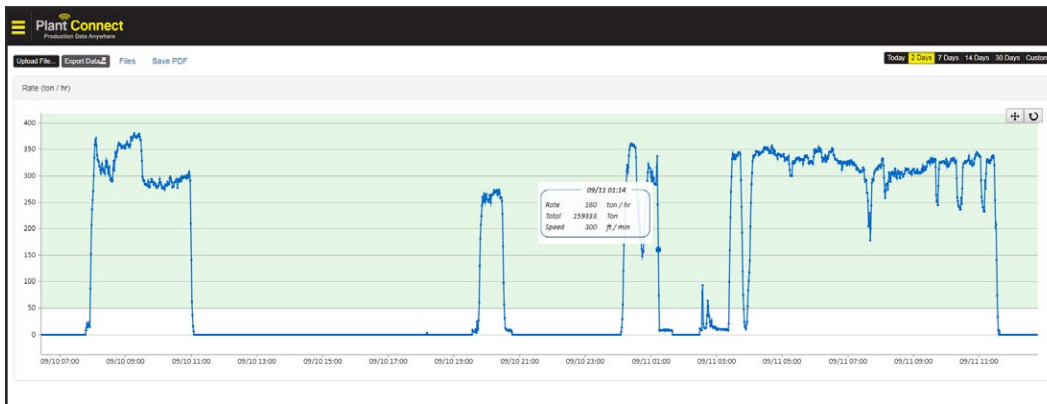
## Monitor Your Production in Real Time

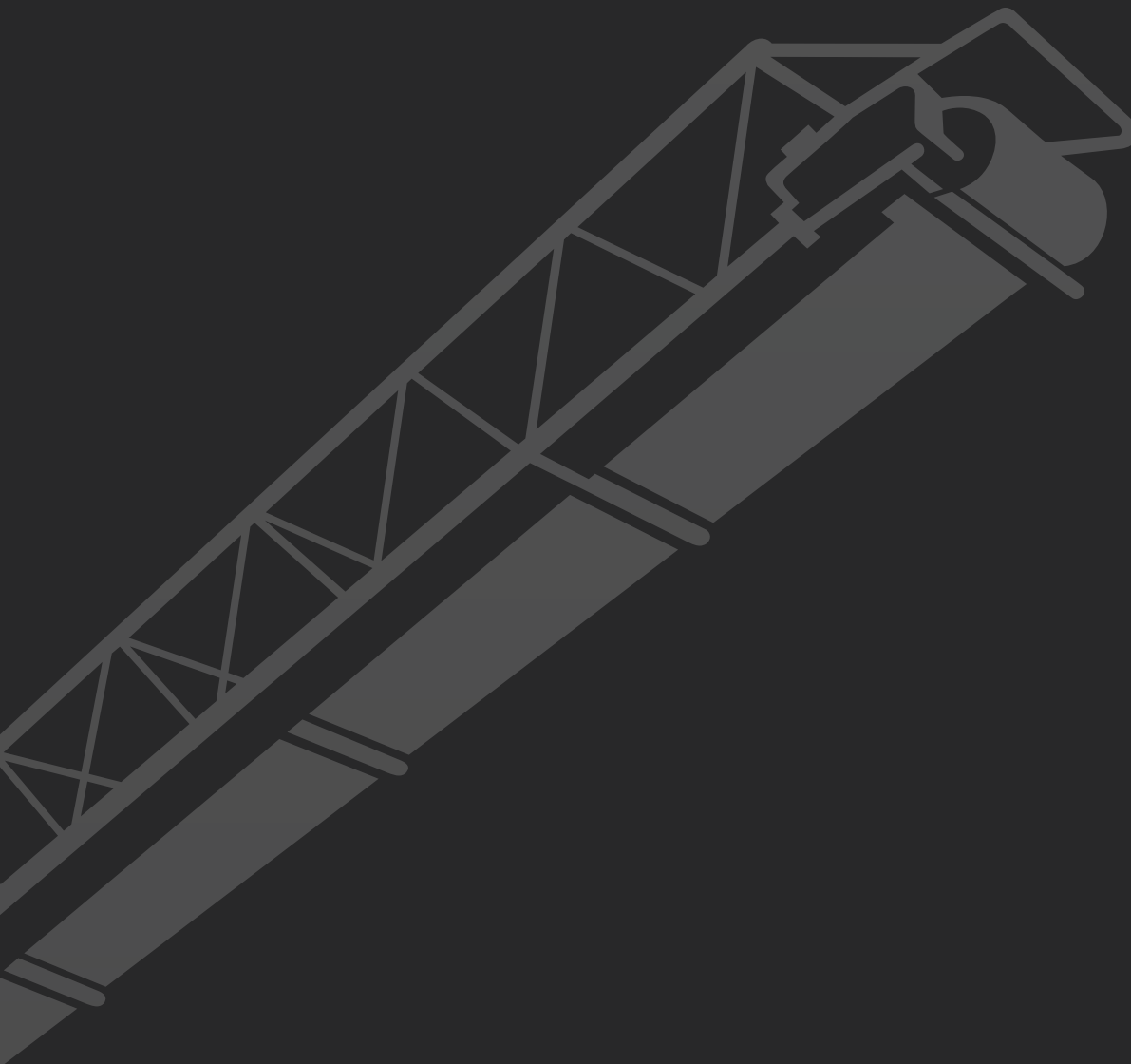


## Take Charge of Your Inventory with Custom Reports



## Analyze Your Data to Improve Performance and Reduce Downtime





# **Belt-Way Scales**

*In Motion Weighing Solutions*

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Belt-Way® is a registered trademark of Cardinal Scale Manufacturing Co.

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