



IDAHO WEIGHING SYSTEMS, LLC

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SALES • SERVICE • CALIBRATION

WWW.IDAHOWEIGHINGSYSTEMS.COM

Customer Satisfaction is our Highest Priority



## CONVEYOR BELT SCALES PRODUCT BROCHURE

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



# SCALE FEATURES

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## 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 OIML Certified 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, and 3 programmable digital outputs.

## PRODUCTION MONITORING / DATA COLLECTION

The Belt-Way Integrator is equipped with an RS-232 communication port to drive a printer or 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.

# 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 weigh-bridge 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.



STATIONARY

## 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.



PORTABLE with ANGLE SENSOR

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 track-mounted portable crushers and asphalt milling machines. Automatic angle compensation eliminates error due to changing conveyor angle.



CATENARY

## 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.



LOAD OUT

# INDUSTRIES

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**AGGREGATE**



**MINING**



**AGRICULTURAL**



**ASPHALT**



**FORESTRY**



**CONCRETE**



**RECYCLING**



**FRACKING**



**STEEL**

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

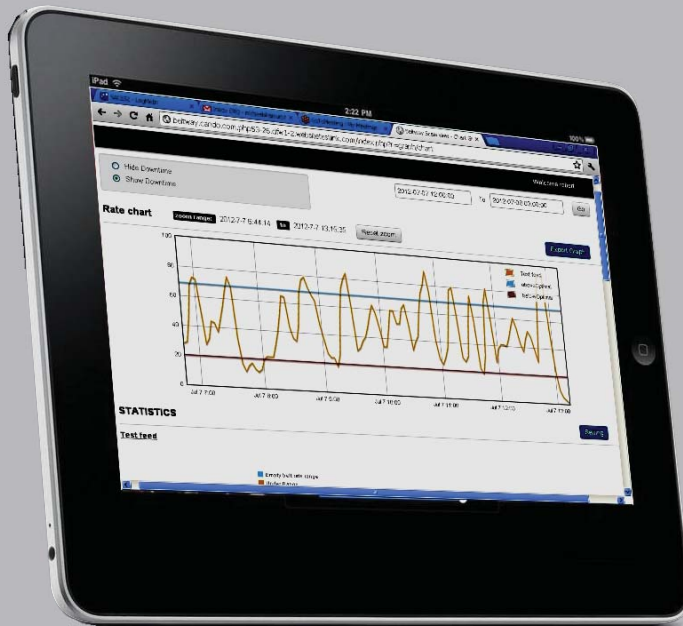
# MONITORING

## 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.



SCALE / PRODUCT	TOTAL TONS	YONS / HR	FEET / MIN	LOAD %	SET ZERO	RESET TONS
PRIMARY SHOTROCK	941	621	446	61	START	●
CV2 STONES	294	207	461	37	START	●
CV5 3/4 ROAD	188	124	281	56	START	●
CV8 SAND	78	81	288	48	START	●
CV13 GRAVEL	197	214	387	51	START	●
CV12 FINES	31	18	415	42	START	●
FEED DUST	37	39	259	39	START	●
DISCHARGE LIME	114	137	338	46	START	●
MENU HELP	Date: 10/15/2010 Time: 09:10					



## 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.



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THE BELT SCALE YOU CAN TRUST