Loadrite C2850

Process monitoring for mobile machines

- Accurate production tracking for mobile plant
- Improve your processes with a range of powerful tools
- Increase the profitability of your operations

Get actionable insights from performance and productivity data on mobile plants.

To ensure accurate weighing for mobile crushers, screeners and stackers – Loadrite mobile belt systems give plant operators and managers a range of powerful tools to measure actual production, track final product stockpiles, analyze plant and machine downtime, and monitor loadout of trucks, port and rail conveyor belt scales.

Mobile Screening and Crushings

The C2850 for mobile equipment is quick to retrofit on suitable machines, simple to calibrate and easy to maintain. Access your production data either on the indicator, in the loading machine cab to control feed rates, using a printer, email reports, or web-based dashboards and reporting.

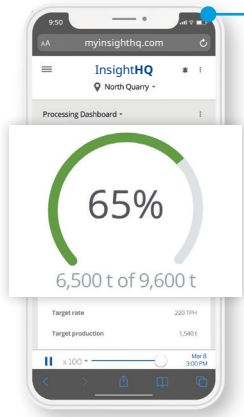Gain visibility into your operation's performance by seeing:

- Tons per hour, total tonnage, and average tons per hour
- Time spent running empty or partially loaded
- Start time and stop time, as well as first load to last load
- Downtime events to identify trends

Multiple machines working together report to the same location giving insights from infeed through to finished product while also identifying waste and leak points.

Features

- Accurate production measurement with state-of-the art data communication capabilities and superior information management solutions.
- Gain actionable insights with access to your data from your smart device anywhere, anytime with InsightHQ.
- Increase productivity by identifying unused capacity to improve asset utilisation.
- Customized for the unique requirements of mobile machines to maintain the highest accuracy (± 1% margin of error).
- Suitable for a wide range of applications, mobile crushers, screeners, stackers and more. With a rugged design for proven reliability, durability and accuracy in the most challenging applications.

LOADRITE®

Optional Accessories & Integrations

Scale frame and load cell assembly

Speed Wheel

Indicator with IP65 rated enclosure for mounting

InsightHQ

Connecting your scale to InsightHQ brings all your quarry productivity information into one easy-to-use dashboard, enabling your team to see progress against targets. You can collect productivity data from your belts, loaders, excavators, haul trucks and more into one location and access it from your desktop or smart device anywhere, anytime.

65%
6,500 t of 9,600 t
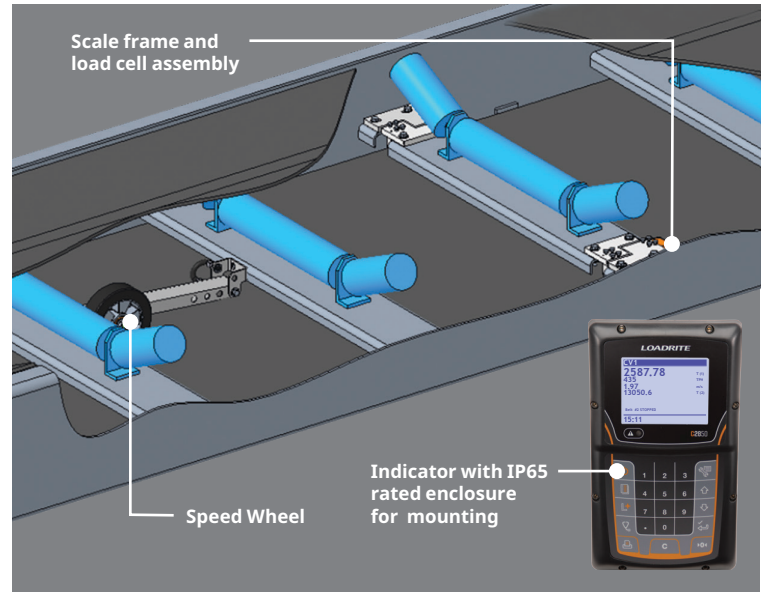
Loadrite Conveyor Interface (LCI)

The LCI provides real-time plant production data at a glance to optimize performance, report production, and capture downtime events. Identify trends and resolve issues by tracking the effectiveness of operational changes.

Additional insights your way

Get daily and weekly reports with the Loadrite printer or have them delivered straight into your email inbox. You can also choose live streaming of weighing data to the office or on a remote display in the plant. There are a range of flexible options to suit your business needs.

Third party scale support (C2820)

While Loadrite systems provide the richest information set, you can retrofit existing belt scales with the C2820 to collect basic data including material weight, belt status, product type and downtime event information to view next to all your other Loadrite-collected productivity data.

Specifications

Weighing Functions

- Dynamic weighing, Total and rate display, Optional volumetric measurements display, Tracking of nine products, Dual idler weighing, 4-Conveyor weighing (including virtual scales) within 1 integrator, Remote zero and Clear function, Auto zero function, Three totalizers per scale (day, week, month or shift, day, week etc), On-scale reporting (with printer), Alarm for diagnostic error, Virtual conveyor display.

Connectivity

- Data connectivity to InsightHQ via Loadrite modem for actionable insights
- Monitoring and Reporting via Loadrite printers
- Support for analogue and digital outputs
- 2 communication ports
- Remote configuration

Power Requirements

Supply voltage . . . . 12 to 324 V DC
Current consumption . . . . .800 mA max. @ 230 V AC
3 A max. with LP950 printer

Physical Specifications

Indicator weight . . . . 1.5 kg (3.3 lbs)
Indicator dimensions . . . . .W145 x L240 x D110 mm (5.7 x 9.4 x 4.3 in)
Indicator operating temperature . . . . –10°C to 50°C (14°F to 122°F)
Environmental protection . . . . .Indicator protected to IP65

Other Information

- **Supported languages:** English, French, German, Italian, Br. Portuguese, Spanish, Swedish
- **Warranty:** 1 year parts and labor

Contact your local dealer today

BRISBANE	TOWNSVILLE	SYDNEY	SYDNEY - WASTE
U4, 29 Links Avenue North Eagle Farm QLD 4009 P: 1800 655 860 M: 0499 890 093 Reception.QLD@SmartTech.com.au	11-13 Casey Street Townsville QLD 4814 P: 1800 655 860 M: 0499 890 093 Reception.QLD@SmartTech.com.au	U13, 7-9 Progress Circuit Prestons NSW 2170 P: 1800 655 860 M: 0408 964 134 Reception.NSW@SmartTech.com.au	Unit 33 A/1 3 Endeavour Rd Caringbah NSW 2229 P: 1800 655 860 M: 0419 244 995 Waste@SmartTech.com.au

MELBOURNE	ALBURY/WODONGA	TASMANIA	PERTH
11B The Crossway Campbellfield VIC 3061 P: 1800 655 860 M: 0427 766 125 Reception.VIC@SmartTech.com.au	408/4 Wagga Road Lavinton NSW 2641 P: 1800 655 860 M: 0459 965 187 Reception.NSW@SmartTech.com.au	PO Box 315 Newstead TAS 7250 P: 1800 655 860 M: 0427 766 125 Reception.TAS@SmartTech.com.au	U1, 8 Hasler Road Osborne Park WA 6017 P: 1800 655 860 M: 0407 912 821 Reception@StechWA.com.au