



BY ACTRONIC – A TRIMBLE COMPANY

Product brochure

Conveyor belt scales C-Series



MAXIMIZE WORKFLOW, MAXIMUM PROFIT



Get the most out of your production and assets

Increase the profitability of your operations by monitoring and improving your processes. The LOADRITE belt scales give plant operators and managers a range of powerful tools to measure the actual production from screens and crushers, track final product stockpiles, analyze plant and machine downtime, and monitor load out of trucks, port and rail.

Improve profits

- Increase production while maintaining or lowering your costs
- Reduce energy consumption
- Extend performance of wear parts

Increase productivity

- Identify unused capacity to improve asset utilization, resulting in increased plant availability
- Unparalleled global service and support network to guarantee superior product uptime

Superior design

- Multiple scale frame assemblies with flexible designs allow the installation on a wide range of fixed conveyor belts and mobile plants like crushers, screens and stackers
- Made for rugged industries and proven in the most challenging environments
- Simple mounting and low maintenance requirements
- Designed for repeatable accuracy

Easy to use

- Simple, intuitive interface
- Similar menu structure to other LOADRITE weighing systems
- Minimal operator training and easy to calibrate



SINGLE SITE AND ENTERPRIZE OPTIONS

Industries



Aggregates



Mining



Waste and recycling



Manufacturing



Ports



Demolition

LOADRITE C-Series scales are designed to work from one single site with as little as one scale, to multiple site operations. Access your data at anytime and anywhere in the world. Whatever your operation's size, LOADRITE has a solution to meet your needs.



Single belt solutions

A single scale begins to give you visibility into your operation's performance. Place a scale after your primary crusher and see your:

- 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

Additionally, placing a scale on your final product belts allows you to track inventory of your most crucial products, as well as identifying waste and leak points.

Mobile screening and crushing

The C2850 allows you to manage your mobile crushing like never before. The LOADRITE C2850 for mobile equipment is quick to retrofit, simple to calibrate and easy to maintain.

Combined with easy-to-read printer performance and emailed reports, or informative web-based reporting, this option will ensure you know what your equipment is really doing. By ensuring your mobile plants are giving you the tonnage you expect, you'll get more profitable crushing.

Full plant performance management

When you track your entire operation you can see every bottleneck, track every product, and know exactly what every part of your plant is doing.

Measuring weight, downtime and performance of multiple belts will allow you to track the actual optimal mode mix when planning production to meet sales forecasts.

- Track throughput of primary, secondary, and tertiary crushing
- See the effectiveness of your screen decks and wash plants
- Report inventory levels, optimizing your modes to manufacture the most profitable product mix
- Measure oversized material and waste

INTUITIVE, ADAPTABLE, RUGGED

LOADRITE C-Series conveyor belt scales help you maximize your production.

They are easily installed and adapted to suit almost any conveyor belt or mobile machine. The flexible design reduces the need for different belt scale makes and models for challenging applications.



The C-Series scales feature an intuitive interface that simplifies operator training. The menu structure is similar to all other LOADRITE weighing systems so operators will be comfortable and productive right from day one.

Most LOADRITE accessories are interchangeable, making operator training quick and simple, and reducing your spare parts requirements.



Scale frame assemblies

Several different scale frame assemblies are available to suit installation on a wide range of conveyor belts. The scale frames have a modular design which connect the load cells and the idlers with rollers.



Rugged design

Designed for rugged industries, LOADRITE products are proven in challenging environments all around the world. With proven reliability, durability and accuracy in the most challenging of applications you can be confident that your scale will deliver the results you need in your operation.

HOW IT WORKS



C-Series integrator: The integrator is the processing engine of the LOADRITE weighing system. It turns signals from load cells on the LOADRITE scale frame and speed wheel into weighing data.



LOADRITE printer: Review your site's productivity with hard-copy receipts of daily and weekly productivity and performance reports.

Scale assemblies and speed sensor: An agile range of scale assemblies, tailored to your conveyor. Measure vertical forces for an accurate weight signal to the integrator. The speed sensor provides data to calculate belt speed, flow rate and total weight.



I-Series communications: Brings your conveyor belt information to a remote display, your PLC, local computer or web-based reporting via Ethernet, or wireless communication (optional).

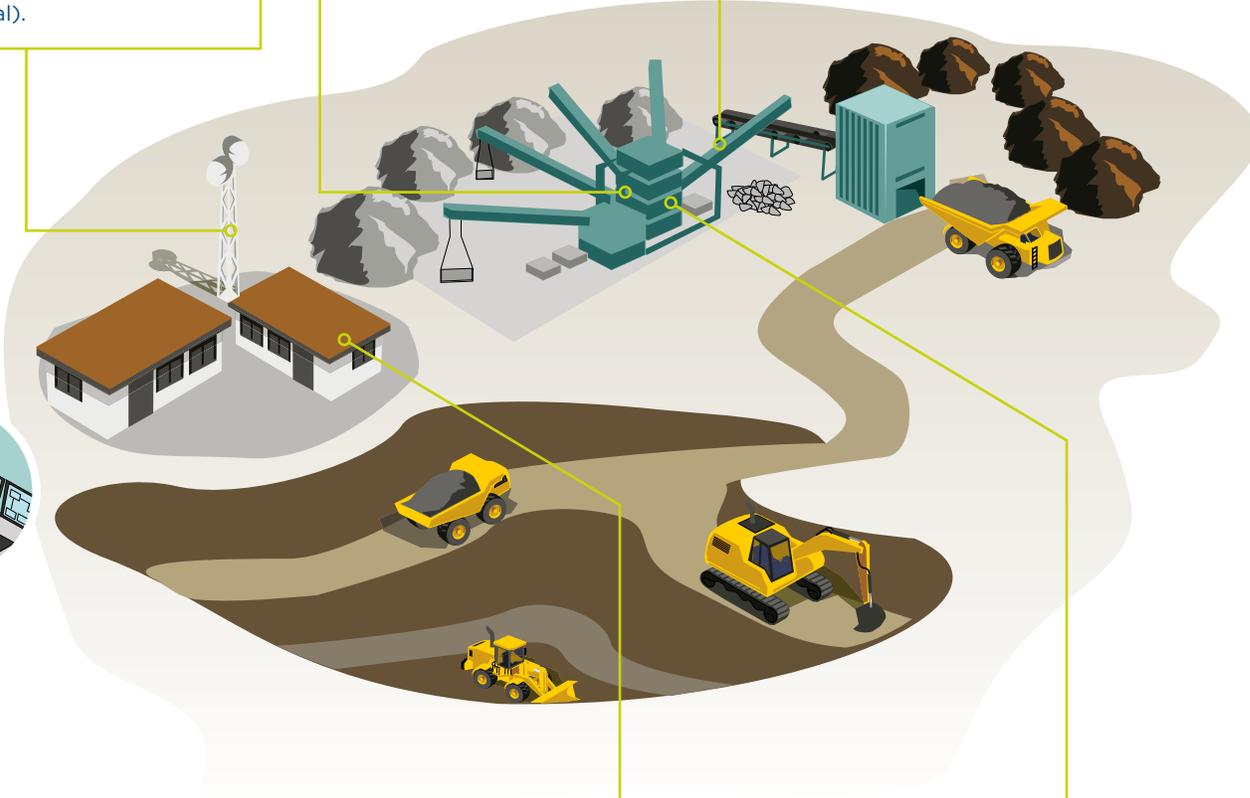


INSIGHT: Turns data from the C-Series into essential management information. The reports are customizable to suit your business needs and help you make profitable business decisions (optional).



Remote display: Specially designed for the office or control room to monitor and control all C-Series integrators. It also allows data entry of downtime reasons (optional).

Energy measurement: The C-Series can measure the fuel or energy consumption of a motor or electric engine via a fuel gauge or energy meter connected to the motor (optional).



TRACK YOUR PRODUCTIVITY

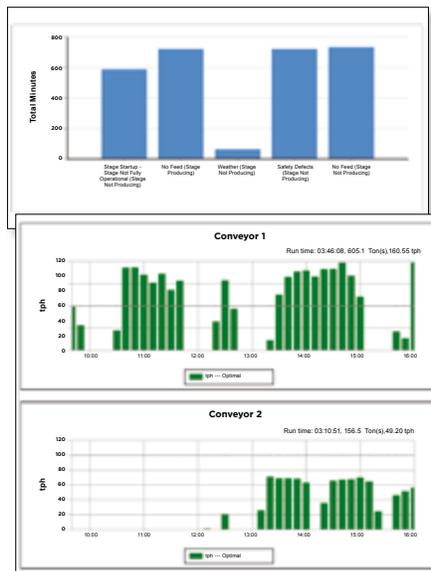


Reporting

C-Series reports give you operational knowledge previously only available to automated plants with expensive reporting packages - though even those systems require belt scales to accurately work.

LOADRITE has fast installation, on-site service and support, and customisable reporting to give you the power of large projects at a fraction of the cost.

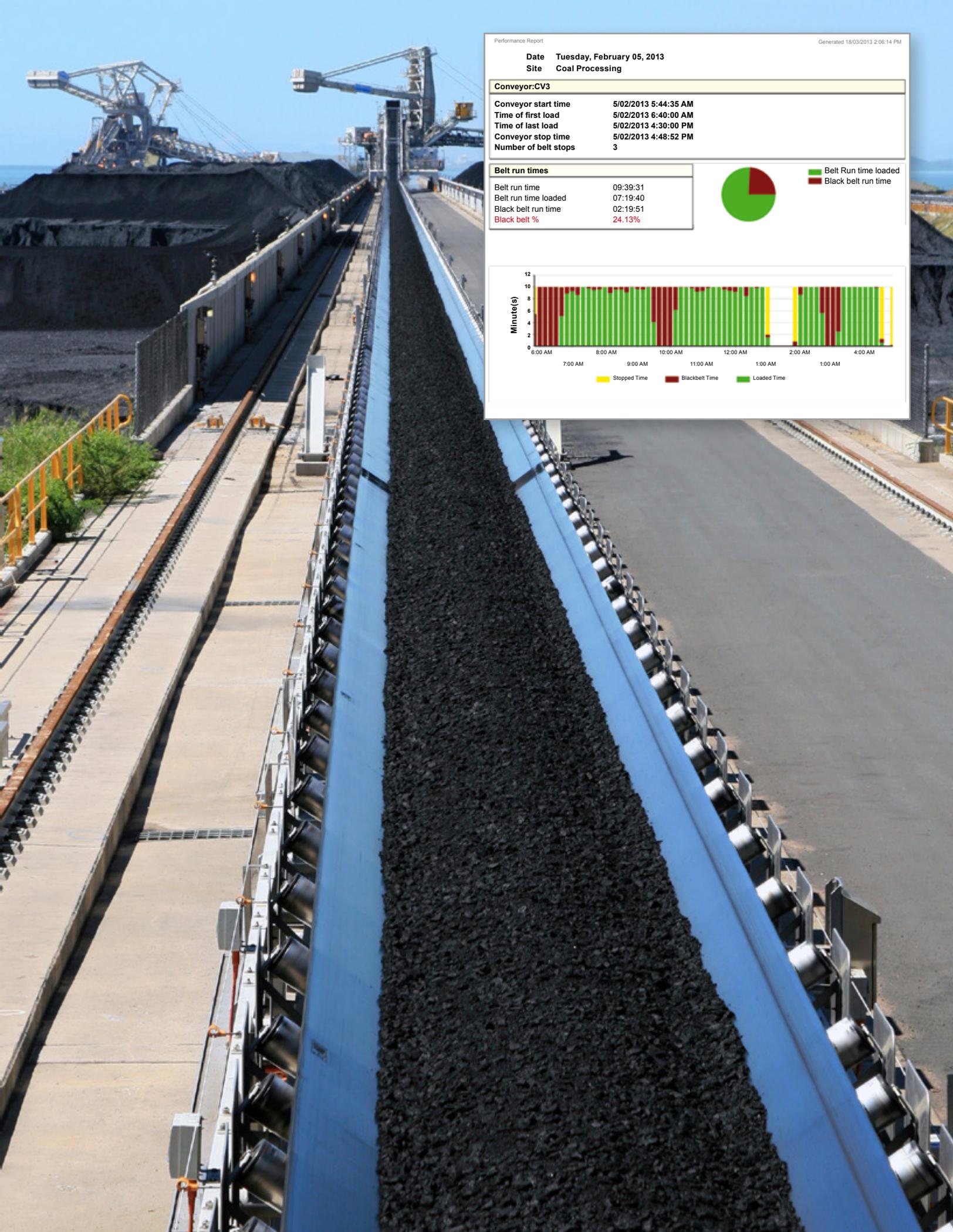
Get daily and weekly reports with the LOADRITE printer or have them delivered straight into your email inbox with a cellular modem. You can also choose live streaming of weighing data to the office or on a remote display in the plant. The options are endless and flexible to suit various businesses needs.



Daily reports

The LOADRITE modem (LCC) and printer deliver daily reports with fundamental KPI's that benefit every operation.





Date **Tuesday, February 05, 2013**
Site **Coal Processing**

Conveyor:CV3

Conveyor start time	5/02/2013 5:44:35 AM
Time of first load	5/02/2013 6:40:00 AM
Time of last load	5/02/2013 4:30:00 PM
Conveyor stop time	5/02/2013 4:48:52 PM
Number of belt stops	3

Belt run times

Belt run time	09:39:31
Belt run time loaded	07:19:40
Black belt run time	02:19:51
Black belt %	24.13%



Legend:
Green: Belt Run time loaded
Red: Black belt run time
Yellow: Stopped Time





Wheel loader scales

From basic weighing information for a small loader, to advanced features on production-sized loaders. (L2180, L2150, Force, Sprint)



Excavator scales

Accurate weighing performance with no disruption to operation. (X2350)



Refuse truck scales

Accurate weighing of refuse at the point of collection, for billing and cost management. (E2750)



Forklift scales

Accurate weighing of containers, pallets and other loads. (Sprint)



Reporting

Integrate all systems for total visibility across your site, region or company from your web browser or email.

Choose LOADRITE

- World-leading onboard weighing manufacturers since 1979
- Equipment sold in over 50 countries, into the most rugged of industries
- Reputation for superior accuracy and product reliability
- Manufactured under strict ISO9001 international quality systems
- Complete service provider through our fully-authorized and certified global-distribution network



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