

**LOADRITE™**

**C SERIES**

**ACCURATE  
BELT SCALES  
SUPERIOR  
REPORTING**

- **PLANT AND PERFORMANCE MANAGEMENT**
- **PRODUCTIVITY REPORTING**
- **CONVEYOR BELT SCALES**

**SCALABLE FROM A  
SINGLE CONVEYOR TO  
AN ENTIRE ENTERPRISE**

# WHAT CAN C-WEIGH BRING

## THE NEXT GENERATION OF PLANT PRODUCTIVITY SOLUTIONS

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The LOADRITE™ C-SERIES™ product range is designed for rugged industries such as aggregates, bulk handling and mining. Our belt scales, data communications and reporting options give you the tools to monitor and improve your processes, increasing the profitability of your operations. Whether you need a mobile crusher with one single scale or you are looking for multinational enterprise reporting, LOADRITE is a specialist in providing weighing solutions for the quarry, mining and recycling industries. Our adaptable solutions will help you to get the most out of your production.

## IMPROVED PROFITS AND INCREASED PRODUCTIVITY

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The LOADRITE C-SERIES provides you with performance information that can help you optimize your equipment utilization, resulting in more tons per hour, less energy consumption and extended performance of wear parts. LOADRITE C-SERIES helps you to increase production while maintaining or even lowering your costs.

The C-SERIES gives 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.

## SUSTAINABILITY

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Identifying unused capacity allows you to improve utilization of the machinery already on site and reduces your carbon footprint by minimizing energy consumption.

## FEATURES AND BENEFITS


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- LOADRITE products are proven in challenging environments all around the world, so you can be confident that C-WEIGH™ will deliver the results you need in your operation
- C-SERIES products are flexible and can be installed on a wide range of conveyor belts and mobile machines. This reduces the need for different belt scale makes and models for challenging applications
- The C-WEIGH range of data communication options can be tailor-made to provide you with an efficient and cost-effective solution to suit your needs
- Most LOADRITE accessories are interchangeable, making operator training quick and simple, and reducing your spare parts requirements
- Scalable from a single conveyor to an entire enterprise
- Unparalleled global service and support network to guarantee superior product uptime
- Reporting solutions that suit small and large businesses
- Accuracy and repeatability of the weighing systems is the key to reliable reports

## EASY TO USE

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C-WEIGH features 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 using C-WEIGH right from day one.



# TO YOUR BUSINESS?

## SINGLE SITE AND ENTERPRISE OPTIONS

The C-SERIES is 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, we have 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

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

Get the full power of C-SERIES working when you track your entire operation. 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

# VERSATILE WEIGHING AND

## VERSATILITY AND RELIABILITY

C-SERIES conveyor belt scales are easily installed and adapted to suit almost any conveyor. The LOADRITE C-SERIES utilizes more than 30 years of industry-leading weighing experience and knowledge, combined with the latest technology for conveyor belt scales.

### THE ANATOMY OF ADVANCED PLANT MONITORING SOLUTIONS

■ **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. The total weight, running rate, and belt speed appear in metric and standard measurements.

■ **LOADRITE Printer:** Review your site's productivity with hard copy receipts of daily and weekly productivity and performance reports from a specially designed rugged printer (optional).

■ **IM-SERIES™ Communications:** Brings your conveyor belt information to a C-WEIGH 3860, your PLC, local computer or web-based reporting via Ethernet, data module, or wireless communication. Our range of options gives you the flexibility to match your site's needs (optional).



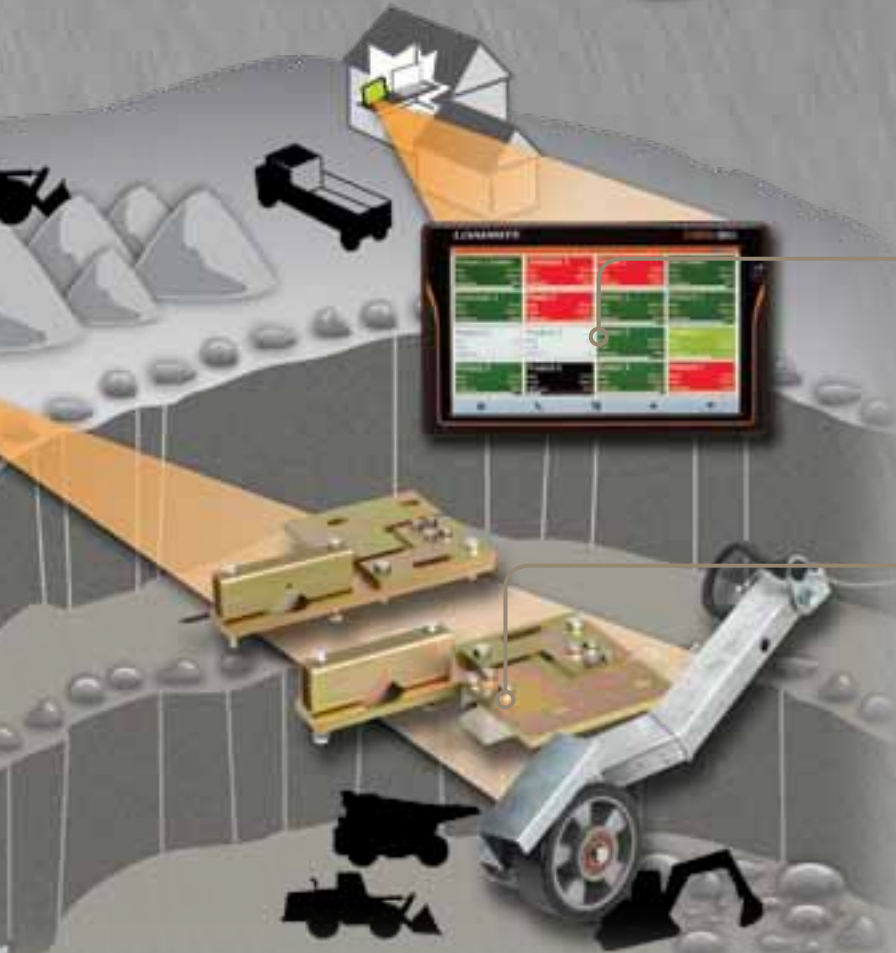
# D REPORTING SOLUTIONS

The C-SERIES product range is designed and used in multiple rugged industries, including:

- Aggregates
- Bulk Handling
- Scrap Handling
- Mining
- Contracting/Machine Hire
- Road Construction
- Demolition
- Waste and Recycling



■ **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).



■ **C-WEIGH 3860**: This device is specially designed for the control room to monitor and control C-SERIES integrators. It also allows data entry and can transfer data to INSIGHT or PLC (optional).

■ **Scale Assemblies and Speed Sensor**: An agile range of scale assemblies, tailored to your conveyor. Measuring vertical forces for an accurate weight signal to the integrator, the speed sensor provides a signal to the integrator for the calculation of the belt speed, flow rate and total weight.

■ **Energy Measurement**: C-WEIGH has the ability to measure the fuel or energy consumption of a motor or electric engine. A fuel gauge or energy meter is connected to the motor (optional).

# PROVEN DESIGN AND PRODUCTIVITY

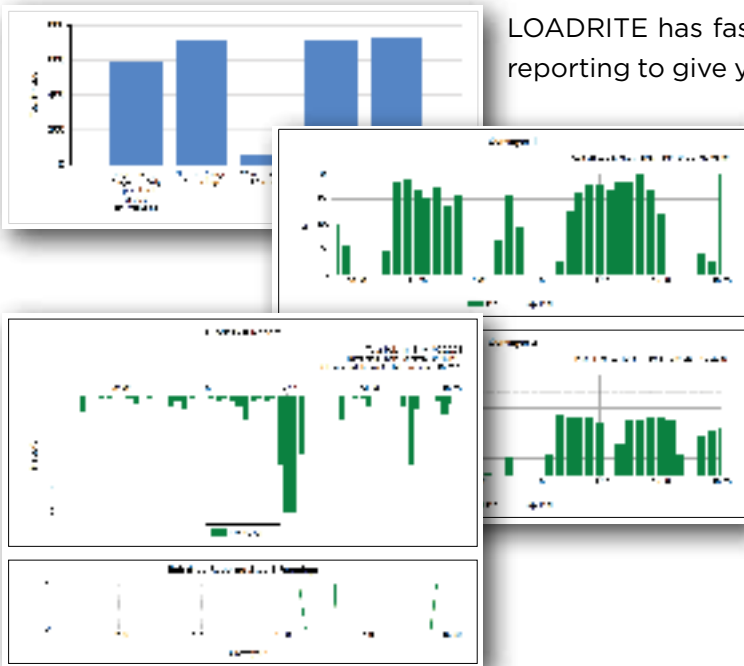
## SCALE FRAME ASSEMBLIES

A number of different scale frame assemblies are available to allow the 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. The design has proven its reliability, durability and accuracy in challenging applications. C-WEIGH is available with four different scale frame assemblies to suit most conveyor belts.



## C-SERIES REPORTING SOLUTIONS

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 customizable reporting to give you the power of large projects at a fraction of the cost thanks to daily and weekly reports with the LOADRITE printer or delivered with a cellular modem 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. The options are endless and flexible to suit various businesses needs.

## LOADRITE PRINTER

The LOADRITE printer is compatible with LOADRITE C-SERIES conveyor belt scales. This direct plug-in accessory delivers time-stamped and dated hard copies of all weighing information instantly. It is a very affordable step to powerful reports.





The logo features the word "LOADRITE" in a bold, white, italicized sans-serif font. It is set against a dark blue rectangular background with rounded corners. This blue rectangle is enclosed within a thick, bright yellow-green border. The entire logo is centered horizontally in the lower half of the page.

# LOADRITE™

## ABOUT LOADRITE

- World-leading on-board weighing manufacturers for over 30 years
- Equipment sold in over 50 countries, into most rugged industries
- Reputation for superior accuracy and product reliability
- Manufactured under strict ISO9001:2008 international quality systems
- Complete service provider through our fully-authorized and certified global-distribution network

A smaller version of the "LOADRITE" logo, consisting of the word in white italicized font on a dark blue background with a yellow-green border. It is positioned at the bottom right of the page, above a horizontal dashed line.

LOADRITE