

**LOADRITE™**

**C SERIES**

**C-WEIGH 1850**

**ACCURATE  
WEIGHING,  
RELIABLE  
REPORTING**



- OPTIMISE PLANT UTILISATION
- PRODUCTIVITY AND INVENTORY MANAGEMENT
- FLEXIBLE AND RELIABLE CONVEYOR BELT SCALE

**TRUSTED WEIGHING  
SYSTEMS SINCE 1979**

**LOADRITE®**



# ADVANCED SOLUTIONS FOR CONVEYOR BELT WEIGHING



The LOADRITE® C-Weigh is an advanced conveyor belt weighing system designed in particular for rugged industries like aggregate, bulk handling, scrap metal and mining. It is the ideal tool for monitoring inventory, production output and product load out, while providing essential data management tools to drive productivity and machine performance decisions. C-Weigh is designed and engineered to the highest LOADRITE® standards. The design is agile and rugged, but provides consistently high accurate weighing results.



## THE ANATOMY OF GOOD WEIGHING

■ **Integrator** - The integrator is a microprocessor which processes the sensor signals from the load cells and speed wheel into operating data for weighing and flow measurement. The weight appears on the display in pounds, kilograms or tonnes per hour.

■ **IM Series** - brings your conveyor belt to the back office or to a PLC with Ethernet, WiFi, data module, wireless (cellular and radio) connectivity solutions and data management software solutions (optional extras).

■ **Printer** - rugged printer provides hard copy receipts for printing of daily and weekly productivity and performance reports (optional extra).



■ **Loadcells and Scale Assemblies** - The load cells measure vertical forces on the scale frame giving an accurate weight signal to the integrator. The loadcells connect the idler with the conveyor structure and are supported by the scale assembly.

■ **Slope Compensation Kit** - specially designed to compensate for mobile machines and enables the integrator to deliver superior accuracy on conveyors with adjustable incline (optional extra).

■ **Speed Sensor** - The speed sensor provides a signal to the integrator for the calculation of the belt speed, flow rate and totalised weight.

## WHAT CAN C-WEIGH BRING TO YOUR BUSINESS?

### IMPROVED PROFITS

The LOADRITE® C-Weigh 1850™ provides you with performance information that can help you to optimise the usage of expensive machinery. This can lead to less fuel consumption and extended machine lifetime. Accurately loaded trucks will also minimise overload fines.

### PROCESS IMPROVEMENT

- Track plant and machine efficiency
- Know inventory and stock levels
- Monitor downtime and plant utilisation

### INCREASED PRODUCTIVITY

The LOADRITE® C-Weigh 1850™ increases accuracy and productivity by giving operators and managers a powerful tool to measure the actual performance of crushers and conveyor belts. You can also monitor and control truck, train or stock pile load outs.

### SUSTAINABILITY

- Minimise energy consumption
- Maximise the utilisation of the machinery already onsite by identifying unused capacity
- Improve overall equipment availability and effectiveness

## VERSATILITY

C-Weigh conveyor belt scales are easy to install, with a flexible frame, easily adapted to all types of conveyors. The LOADRITE C-Weigh 1850™ system takes 30 years of industry-leading weighing technology and combines it with the latest technology for conveyor belt scales. C-Weigh is designed for a huge variety of conveyor belt applications:

- Aggregates
- Waste/Recycling
- Bulk Handling
- Scrap Handling
- Demolition
- Mining

## SCALE ASSEMBLIES

C-Weigh scale assemblies can be installed on most conveyor belts. The modular components allow installation on almost any belt width. Several mounting solutions are available for the installations on fixed plant and mobile machines like mobile crushers, screeners or stackers.

## DURABILITY

All hardware is put through a rigorous HALT (Highly Accelerated Life Testing) regime to ensure that LOADRITE® equipment is suitable for the rugged environment you work in.

## FLEXIBLE CONSTRUCTION

The scale frames have an agile design which makes it rugged and reliable. It delivers consistently highly accurate weighing data to ensure a productive operation.

## EASY TO USE

C-Weigh features an intuitive interface that simplifies training. The menu structure is very similar to all other LOADRITE® weighing systems. The operator will be comfortable using C-Weigh and be more productive from day one. This reduces operator training time and prevents errors by maintaining all features commonly provided by a superior conveyor belt scale.



# WE'VE GOT YOU COVERED!

## PLANT, PRODUCTIVITY AND INVENTORY MANAGEMENT SOLUTIONS

LOADRITE® is the only weighing solution that offers the integration of information from wheel loaders, excavators and conveyor belt scales into the same database. Critical information for effective operational performance and efficient inventory management is available at your fingertips.

