LOADRITE PIT BOSS

Pit Productivity Reporting Solution

The new pit productivity reporting solution.

The Loadrite Pit Boss is the first product to provide you with customized productivity reports, generated directly from your pit loader's weighing data. The Pit Boss combines the ease of use of our loader scales, with powerful reporting software, giving you the visibility to monitor productivity straight from the pit.

The Loadrite Pit Boss features the reliable Loadrite console, tested to withstand the rugged environments it operates in. The user interface has been customized for pit operations, with large easy to use buttons and a back-lit screen for low light conditions.

Loadrite's Material Management System (MMS) software gives you the flexibility to capture load data either wirelessly or by data module for further analysis. You can then generate customized reports from your PC, enabling you to measure blast efficiency, pit productivity, cycle times and more.

Inventory control straight from the pit

Track the tonnage of products coming out of your pit by reporting on the amount of shot rock, big rock, blending sand or other product loaded into your haul trucks. Reports can be run by day, week, month or preferred time period.

Maximize haul truck payload and verify haul truck capacity

Give the loader operator the ability to see just how much material they're loading into each haul truck. Make sure that 55 tons is being loaded into a 55 ton haul truck, or check that a 55 ton haul truck is actually capable of hauling 55 tons.

Find out how effective your blasts are

Discover how efficient your blasting patterns and explosives are, by reporting on the total and percentage tonnage of shot rock versus big rock from each blast.

Increase loader and haul truck productivity

Determine current productivity levels for your pit operation by reporting on tonnage per hour and cycle times of each loader and haul truck working in the pit. This allows you to confirm whether your pit operation is keeping up with your primary crusher and make changes if necessary. Gain visibility of the working hours for each loader and haul truck, allowing you to confirm that operators are working the required hours.

Improve Maintenance Scheduling

Allows you to schedule plant maintenance based on the tonnage your equipment actually lifts or hauls. You can also schedule on the number of lifts or hauls they perform and not just by the engine hours they run.

See how conditions can impact productivity

See what affect a wet or damaged haul road has on your productivity, and what improvements you can make immediately after your plant has been serviced.

The Loadrite Pit Boss's features include:

- Multiple point weighing: an error alarm sounds to alert the operator if uneven surfaces or speeds affect the weight accuracy
- Auto target function: the operator can recall a truck's maximum load weight from memory
- Auto tare function: the operator can recall a truck's tare weight from memory
- Error alarms: alerts the operator if the bucket load will exceed the truck's target weight or if the lifted weight exceeds the maximum amount that the machine is normally capable of lifting
- Unit conversion: lets you view the lifted weight in either imperial or metric measurements and converts weight to a volumetric measure
- Tip-off weighing: allows you to tip a measured amount of the product off the last bucket to ensure an exact target weight is reached

- Zeroing: helps avoid inaccurate readings if wet or sticky materials build up in the bucket
- Auto-add mode: automatically adds the lifted weight to the total every time a load is lifted
- Remote add button (optional): ergonomically designed and mounted closely to the loader controls, so the load can be added at the press of a button
- Multiple languages: seven language options (English, Spanish, German, Slovenian, Dutch, Portuguese and French)
- Physical features: large easily visible LCD display and keys with backlighting for night and low light operation
- Clock: provides time and date information as well as alarm clock feature

The Loadrite MMS's features include:

- Customizable productivity, summary and detail reports
- User defined grouping of reports
- Remote access: allows reporting across your company's network
- Easy-to-use database with:
  - Adjustable data columns
  - Option to hide and unhide data whilst viewing
  - Simple 'click and drag' action to change data order
  - Ability to filter data by time, operator, product, trucks, etc
- Find function: enables you to search for specific records by loader, date, location etc
- Exportable information: reports can be printed or exported as CSV format to other programs for data analysis or manipulation
- User interface: allows you to view the data while selecting, so you know what you are going to get before you export it

- Archiving function: archive old or unwanted data for storage with the option to retrieve it at a later date for further analysis
- Configuration wizard: helps you to get started and allows you to customize site settings such as your customer list, products handled, loaders operating and site locations
- Secure login – optional password only access
- Comprehensive electronic documentation and help

Loadrite Pit Boss Console: The Nuts and Bolts

Note: Specifications may change due to continuous product improvement.

Power Requirements	**Supply Voltage** 12 to 32 VDC (i.e. designed to operate on 12 or 24 volt systems). Automotive power supply transient suppression exceeds SAE specifications **Supply Current** 160 mA typical, 350 mA max, 3A max with printer **Calibration and Data Back Up** Data is stored in a permanent memory and is not affected when the main power is turned off
Display/Keyboard	**Display LCD** 2 lines of 8 characters, used to display operator messages, and prompts to enter product data etc The large, highly visible, backlit 5 digit numeric display shows lifted weights and totals **Keyboard** Keyboard Alphanumeric. Waterproof tactile membrane
Physical	**Dimensions** W145 x L240 x D110 mm (5.7 x 9.4 x 4.3 in.) **Weight** 1.5 kg (3.2 lb)
Environmental	**Operating Temperature** -10°C to 50°C (14°F to 122°F) **Storage Temperature** -30°C to 80°C (-22°F to 176°F) **Protection** Water and dust protected to IP54 **Vibration** Qualified to MIL-STD-810D
Accessories	Loadrite Printer

Loadrite MMS: The Nuts and Bolts

Note: Specifications may change due to continuous product improvement.

Memory Capacity	250KB (4000 to 12000 lifts depending on configuration of weigh indicator)
Ambient Temperature	**Operating Temperature** -10˚C to 50˚C (14°F to 122°F) **Storage Temperature** -30˚C to 70˚C (22°F to 176°F)
Protection	Water and dust protected to IP68
Computer	**Minimum requirements for running Loadrite MMS Software** • Pentium 166 running at 400MHz • Windows 98 2nd Edition, Windows 2000, Windows Me, Windows XP or greater • 50MB free hard disk space (more may be required if database becomes large) • 128MB RAM • Available COM port or USB port with approved USB-to-RS232 (not included) • CD-ROM drive (for installation) • Internet Protocol (TCP/IP) installed – typically already installed if the PC is on an Ethernet network or has a connection to the internet)

Call your local distributor today to discuss a solution that meets your specific requirements…

United States and Canada

Call free 1 800 528 LOAD
or 1 800 528 5623
Fax: 1888 519 4479
Email: info@loadritescales.com

www.loadritescales.com

- Full on-site operator training
- Toll free telephone product support
- National and international network of factory-trained distributors
- Used in over 30 countries
- 25 years industry experience

The manufacturer of Loadrite holds ISO 9001:2000 quality management systems certification.

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