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Product brochure

# Wheel loader scales L-Series



[www.loadritescales.com](http://www.loadritescales.com)

# THE LOADRITE® ADVANTAGE



## Unmatched service + support

LOADRITE® service and support makes us number one and we're committed to staying there. Our authorized global distribution network delivers expert product knowledge and support on site, preventing unnecessary downtime.

Every LOADRITE® product is installed by a certified technician. These technicians will not only install and calibrate the product but also provide full operator training, ensuring maximum benefit from your investment.

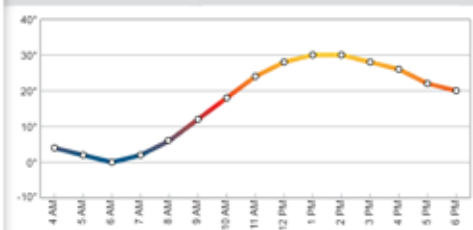
## Accurate weighing any time of day

Hydraulic weighing is affected by temperature. Only LOADRITE® wheel loader systems with Friction and Ambient Compensation Technology (FACT™) compensate for hydraulic-fluid temperature, bearing, machine friction, and lubrication levels without the additional expense of extra sensors.

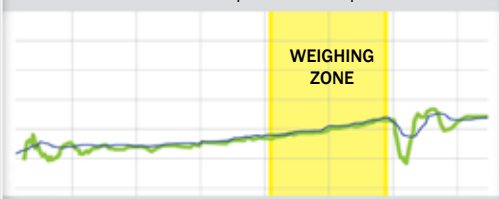
## Accurate weighing regardless of operator

- The multipoint weighing zone of LOADRITE® wheel loader scales greatly improves the weighing accuracy for inexperienced operators and rough loading situations.
- Lift at any speed. Continuous monitoring of the arm position allows quick and accurate measurement of lift speeds and acceleration.
- Our "industry best" tip-off allows operators to make last bucket adjustments at any boom height. The unique LOADRITE® rotary trigger ensures the best possible accuracy.
- Weighing on uneven ground? Centre of gravity greatly affects the weighing accuracy. LOADRITE's® exclusive ground-slope compensation allows accurate weighing on any surface angle or ramp.

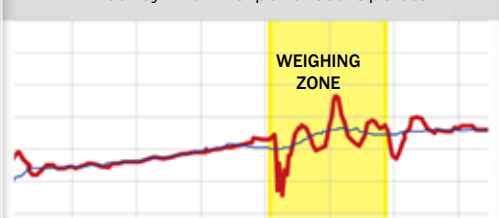
Daily Temperature Change on a Typical Site



Smooth Lift - Experienced Operator



Bouncy Lift - Inexperienced Operator





# LOADRITE® WHEEL LOADER PRODUCT RANGE



## L2180

The LOADRITE® L2180 is designed to produce an accurate and consistent weight every time. Consistent weighing performance is just as important as accuracy to efficient loading operation.

Using proprietary FACT software, the L2180 calculates an accurate weight regardless of time of day, machine type, operator or temperature.

LOADRITE® is known for simplified usability and rugged reliability, with the L2180 delivering the next dimension of consistent weighing performance.



## L2150

The L2150 is a high precision on board loader scale, it offers accuracy and reliability with basic data functions.

By using multiple-point triggering, speed compensation and dual pressure measurement the L2150 offers high level weighing accuracy regardless of lift speed and loader movement. All you need to know is that trucks will be loaded to the right weight first time.

Data entry and logging features of the L2150 allow you to begin monitoring the efficiency and productivity of any front end loader operation, these features are not as extensive as those of the L2180.



## Force

The LOADRITE® FORCE™ is a user-friendly, high-performance basic weighing system.

It has fewer functions than some of the other LOADRITE® models, making it a fast and easy system to use.

As with the L2180 and L2150 models, the LOADRITE® FORCE has our proprietary multipoint weighing. This feature allows weighing on the move, without slowing down the operator.

The system is ideally suited for basic applications requiring accurate loading, but advanced reporting features are not needed.



# THE WORLD LEADER IN ONBOARD WEIGHING

## LOADRITE® leads the way

LOADRITE® offers a range of weighing systems designed for wheel loaders, from entry-level through advanced functionality options. Whether you require basic weighing information for a small loader, or greater accuracy and data-capture capabilities for production-sized loaders, we have the solution for you.

The LOADRITE® range of products became the industry leader for scales on wheel loaders, and have grown to new systems like excavator scales, conveyor belt scales, and garbage trucks.

The accuracy you can expect from a LOADRITE® weighing system is demonstrated by “Legal for Trade” approval in many countries around the world.



## What can loader scales bring to your business?



### Increase productivity

- Prevent truck turnarounds at the weighbridge, reducing cycle times
- Sell more product without adding equipment or personnel
- Achieve consistent loading from machine operators, regardless of experience



### Improve profits

- Eliminate double handling of material by loading right first time
- Avoid overload fines by ensuring trucks are loaded to the correct value
- Reduce haulage costs by avoiding unnecessary trips caused by under loading



### Control costs

- Minimize fuel usage of loaders and trucks and maximize tonnes per litre
- Maximize the utilisation of the machinery already on site by identifying unused capacity
- Improve overall equipment effectiveness



### Process improvement

- Track individual machine utilisation
- Know inventory and stock levels
- Monitor machine stress to schedule preventative maintenance

# THE ANATOMY OF GOOD WEIGHING



## 1. LOADRITE® Pressure

**Transducers:** The pressure transducers connect to the loader's hydraulic system. They sense the hydraulic pressure in the lift cylinders as the load is lifted.

**2. LOADRITE® Triggers:** Triggers offer precision sensing throughout the lift cycle to ensure reliable and repeatable dynamic weighing.

**3. LOADRITE® Indicator:** Rugged design and programmed with proprietary weighing software, the LOADRITE® indicator provides an intuitive interface to the weighing system.

**4. LOADRITE® Slope Compensation Kit:** Specially designed to compensate for ground slope and enable the indicator to deliver superior accuracy on uneven ground (optional).

**5. LOADRITE® Printer:** See your site's productivity with the ruggedized printer providing hard copy receipts for printing of daily and weekly productivity and performance reports (optional).

**6. LOADRITE® Data Communication:** Data-communication solutions to meet the unique needs of your operation. These options allow your loader to communicate with our Material Management System (MMS™) Software in a secure, paperless manner (optional).

# REPORTING SOLUTIONS

## Manage your operation like never before



### LOADRITE® Printer

The LOADRITE® printer is an accessory for the entire range of LOADRITE® weighing systems. It can be plugged in directly and delivers instant, time-stamped and dated hard copies of all weighing information, including information on each bucket load and on the total load. The hard copy records of payload information enable traceability and allow inventory and productivity tracking.

**LOADRITE**

1 Slate Rock & Gravel Co ID: 23 6  
 2 4 Feb 12 2:34 PM  
 3 CUSTOMER Smith 7  
 DOCKET 9  
 4 TRUCK KVH578

ADD (1) 2.4 tonne 8  
 Add (2) 3.2 tonne  
 Add (3) 2.8 tonne  
 5 Slate Rock 8.4 tonne 9  
 \*\*\*\*\*

1 Company name 7 Docket ID  
 2 Date and time 8 Payload weights  
 3 Customer name 9 Total truck load weight (lb, ton, kg, tonne)  
 4 Truck ID  
 5 Product name  
 6 Vehicle ID

### LOADRITE® Material Management System

The LOADRITE® MMS brings data from mobile equipment into management information reporting designed specifically for the needs of your business.

A powerful combination of highly accurate LOADRITE® onboard scales, an array of data-communication options, and easy-to-use reporting software bring this information to your fingertips.

The result is a range of intuitive reports used to monitor productivity, stock movement and machine utilisation.

**Slate Rock & Gravel Co**  
Daily Loadout by Equipment

Equipment	Load Count	Prod. (kg)	Ret. (kg)	Net Weight (kg)
Excavator	15	28,400	0	28,400
Tractor	18	35,000	0	35,000
Wheel Loader	20	37,100	0	37,100
Truck	30	26,400	0	26,400
Tractor	12	19,500	0	19,500
<b>Total</b>	<b>95</b>	<b>146,400</b>	<b>0</b>	<b>146,400</b>

**Load History**

**Slate Rock & Gravel Co**  
Site Status Summary

Site	Product	Inventory Remaining (ton)	Inventory Used (ton)
East Slips Site	Crn	120.00	71.00
	Prod	840.00	231.00
	Other	30.00	240.00
	Wtr	417.00	250.00
		61.00	199.00
<b>Total</b>		<b>1,488.00</b>	<b>964.00</b>

**Slate Rock & Gravel Co**  
Key Productivity Indicators

Count	Loaded Weight (ton)	Count	Returned Weight (ton)
86	2,272.12	0	0.00
Average Loads / Load	Average Load Rate (ton / Hour)	Total Weight (ton)	
5	307.19	2,272.12	

**Load Time**

Minimum	Average	Maximum
0:00:10	0:03:55	0:44:36

**Load Weight (ton)**

Minimum	Average	Maximum
1.00	26.42	80.82

**Load History**

**Slate Rock & Gravel Co**  
Loader Productivity Summary

Loader #	Count	Avg Load Rate (ton / Hour)	Count	Total Weight (ton)
Loader #612	28 (31%)	0:03:48	5	26.70
Loader #2094	7 (7%)	0:00:38	4	23.41
<b>Total</b>	<b>35</b>	<b>0:03:12</b>	<b>9</b>	<b>50.11</b>

**Hourly Loadout by Equipment**

**Slate Rock & Gravel Co**  
Loader Productivity Summary

Time	Num of Loads	Avg Load Time	Avg LPU/Load	Avg Weight (ton)	Total Weight (ton)
10:00 am	10	0:00:52	5	26.93	269.32
11:00 am	10	0:05:16	5	27.03	270.32
12:00 pm	2	0:22:44	4	21.37	42.74
1:00 pm	8	0:00:54	5	27.33	218.64
<b>Total</b>	<b>30</b>	<b>0:03:48</b>	<b>5</b>	<b>26.70</b>	<b>801.02</b>



# LOAD YOUR WAY



## Industries



Aggregates



Mining



Bulk Handling



Waste



Transportation



Landscaping



Construction



Scrap



Agriculture



Municipality



Recycling



Cartage



No matter what material you're loading, moving or managing, LOADRITE® has expertise in applying our proprietary technology to a huge variety of wheel loader applications.

## Service and support

LOADRITE® is now available with certified distributors supporting our products in over 50 countries around the world. Known for our service, Actronic Technologies have support offices in North America, Europe, Asia, and Australia. LOADRITE® works wherever you need us. Visit [www.loadritescales.com](http://www.loadritescales.com) to find your nearest distributor.



### Excavator scales

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



### Fixed belt scales

Specifically designed to ensure accurate weighing for fixed crushers, screeners and stackers (C1850).



### Mobile belt scales

Specifically designed to ensure accurate weighing for mobile crushers, screeners and stackers (C1850).



### Refuse truck scales

Accurate weighing of refuse at the point of collection, for billing and cost management (LR920).



### Fork lift 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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