

Integrity SERIES

STEEL DECK TOP ACCESS
WEIGHBRIDGE

**THE STRONGEST
WEIGHBRIDGE
ON EARTH™**



RICE LAKE®
WEIGHING SYSTEMS

Begin with Integrity

When lifelong accuracy and strength are essential, demand Integrity.

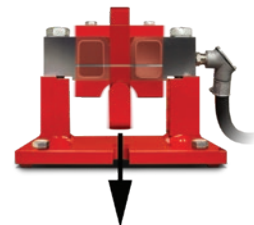
Rice Lake Weighing Systems' Integrity Series heavy-duty modular weighbridges are built to last. Integrity weighbridges use more ISMB steel I-beams than competing models, and the modular sections can be easily installed as an above ground or pit-mounted system.

Integrity Series weighbridges have a low profile with only 419 mm height, satisfying almost any weighing need. Anti-skid surface strips, load cell access holes and standard-sized manhole covers make maintenance easy on Integrity systems. Integrity weighbridges are available with Rice Lake's G-Force™ self-checking mounting system or traditional compression load cell mounts.



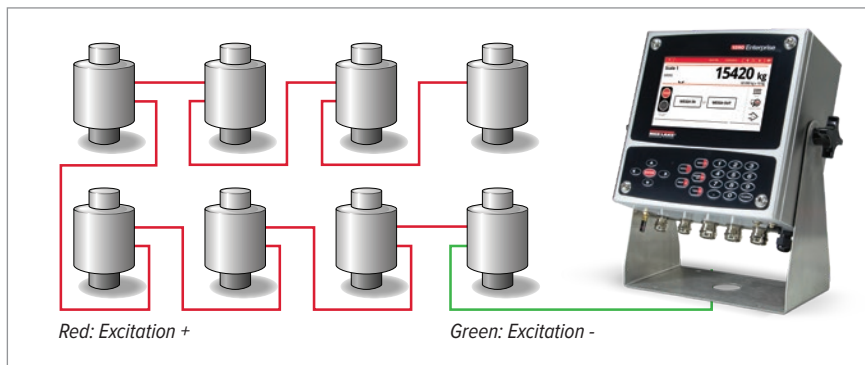
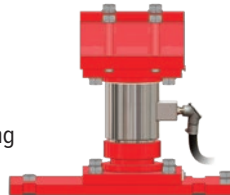
G-FORCE SELF-CHECKING MOUNTING SYSTEM

The G-Force self-checking mounting system on Integrity weighbridges eliminates excess movement and scale fatigue by using 100% of the gravitational force from the vehicle loading action against itself. This allows the scale to return to center without the use of check rods and bumper bolts.



COMPRESSION LOAD CELL MOUNTS

The high-capacity compression load cells used in Integrity weighbridges are built with reliability, durability and precision in mind. They have a welded-seal, stainless steel construction for demanding vehicle scale and process applications.

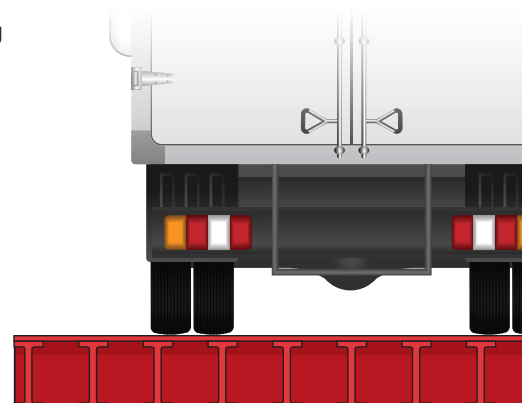


FINITE ELEMENT ANALYSIS (FEA) TECHNOLOGY

Making the most durable weighbridges on the market begins with design. Our engineering team uses Finite Element Analysis (FEA) technology to identify key stress points on truck scales. This data is used to design scales with superior structural integrity, which provides maximum durability for your investment.

A SUPERIOR WEIGHBRIDGE

Structural integrity is the single most important consideration when purchasing a weighbridge. A failing or deforming structure results in continuous weight variations that can only be solved with replacement. Our standard models use beams spaced no farther than 200 mm from edge to edge, or 300 mm from center to center. This design ensures that truck tires rest directly on an I-beam at all times—never between.



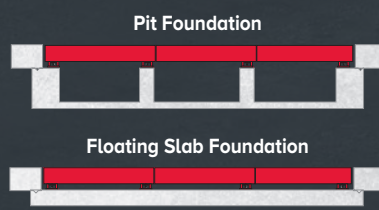
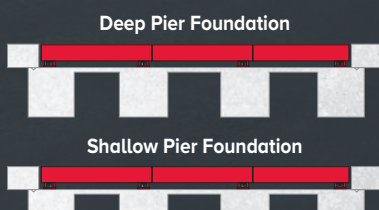


EASILY EXPANDS TO GROW WITH YOUR BUSINESS

Versatile and cost-effective, the weighbridge is designed to change with your business. Heavy-duty, self-seating connectors ensure easy installation of the preassembled modules and simplify future expansion.

ACCURACY BEGINS WITH THE PROPER FOUNDATION

Matching the correct foundation to specific soil conditions is critical to scale performance. Factory specialists and authorized distributors will assist in specifying the proper type for each application site. Professional engineer-certified prints are available to aid in preparing a quality foundation.



THOROUGH FINISHING PROCESS

The finishing process for Integrity weighbridges helps defend against rust and corrosion. An abrasive blast cleaning process removes mill scale and surface imperfections to ensure consistent, long-lasting welds. A thorough cleaning process after welding prepares the weighbridge for coating applications. A high-solids urethane primer is applied to the steel, followed by a specialized high-urethane paint that provides lasting durability and chemical resistance.

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STEEL DECK TOP ACCESS WEIGHBRIDGE



Complete Your Scale with the Highest-quality Accessories and Options



Weight indicators



Data management software



Ticket printers



Self-service Kiosks



Guiderrails (recommended)



Repeaters and remote displays



Traffic signals

FEATURES AND SPECIFICATIONS

- Concentrated Load Capacity (CLC): 41,000 kg
- Dual Tandem Axle rating (DTA): 41,000 kg
- Dimensioned to easily fit existing foundations
- Capacity of weighbridges: 30, 40, 50, 60, 80, 100, 120 and 150 metric tonnes*
- Length of weighbridges: 6, 7, 9, 12, 14, 16, 18 and 20 meters*
- Width of weighbridges: 3, 3.5, and 4.0 meters*
- G-Force or compression canister mounting system
- Factory-installed metal conduit with flex-conduit hub fittings for load cell cables
- Manufactured in accordance with ISO-9001:2015

**Custom capacities, lengths and widths available*