

SURVIVOR[®]

OTR SERIES

CONCRETE DECK

Truck Scale



**TOUGHEST
TRUCK SCALES
ON EARTH[®]**

RICE LAKE[®]
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

SURVIVOR[®] **OTR** SERIES
CONCRETE DECK

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SURVIVOR Strength

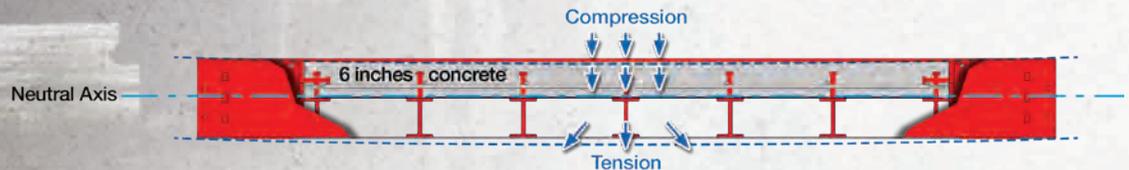
Rice Lake Weighing Systems' SURVIVOR truck scales utilize up to 25 percent more steel content than competitor truck scales, providing the concrete deck support and overall weighbridge strength to last a generation or more.

The SURVIVOR OTR six-inch concrete deck sits above the truck scale's neutral axis and is supported by a six-inch steel deck substructure, delivering maximum strength to the entire length and width of the deck modules.

Side view SURVIVOR truck scale

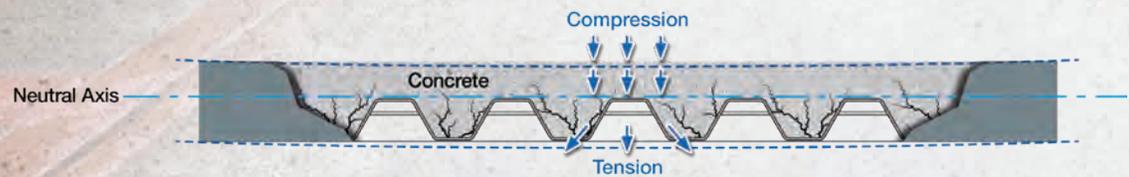


End view SURVIVOR truck scale

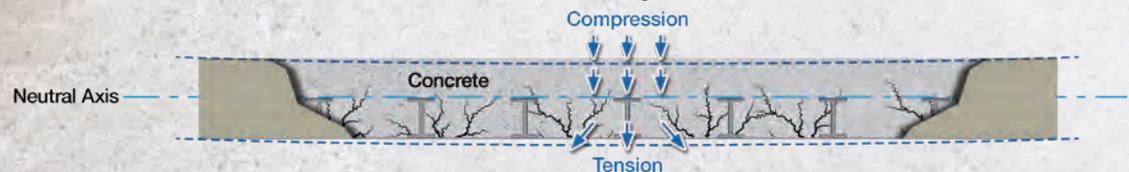


Many competitive weighbridges try to compensate for lighter steel and the lack of steel components by pouring a nine, 10 or 12 inch concrete deck, often extending below the neutral axis. This can result in dangerous concrete bending, which can cause surface cracks after only a short period of use.

End view of first competitor's truck scales



End view of second competitor's truck scales



TOUGHEST TRUCK SCALES ON EARTH®

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Long-lasting Value

SURVIVOR OTR truck scales are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge fatigue—equivalent to more than two million weighments. Rice Lake's warranty covers load cells, junction boxes and suspension systems to ensure worry-free operation. SURVIVOR OTR truck scales also include a lightning protection package, and weighbridges are warranted against defects in materials and workmanship. This warranty is available for a choice between five and an industry-leading 12 years from delivery.

Tough from Start to Finish

Concrete deck OTR truck scales go through an extensive finishing process: blast-cleaning to remove mill scale and surface imperfections, maximum coating adhesion preparation, galvanized support pan placement on the concrete deck, high-solids urethane primer and paint application, and an asphalt emulsion undercoating on all non-visible steel surfaces.

A Solid 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 further ensure a quality foundation.

Floating Slab Foundation



Pier Foundation



Advanced Design

PE-certified Rice Lake design engineers use the most advanced Finite Element Analysis (FEA) software to examine high-stress areas and design SURVIVOR truck scales based on actual loading characteristics. Custom designs can also be dimensioned to easily fit drop-in scales with most existing foundations.

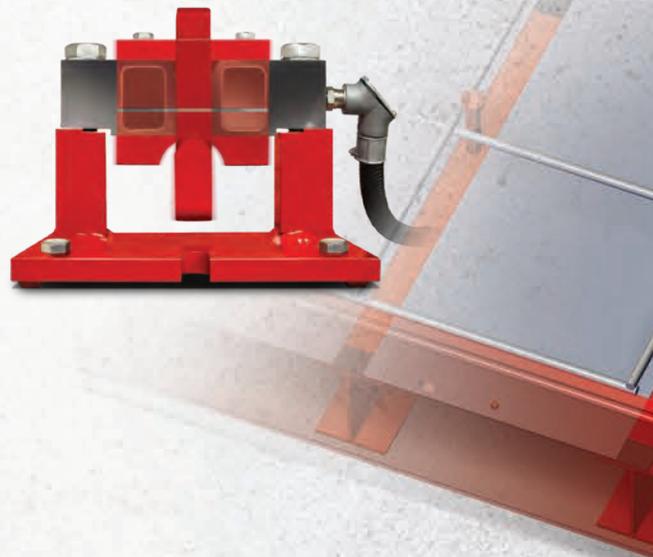


Integrated Load Cell Pockets

Top access to load cells and junction boxes through an integrated load cell pocket ensures easy installation and maintenance. Load cell pockets are made with heavy-duty steel plates incorporated into the design of the scale, adding extraordinary strength and integrity to a critical area of the weighbridge.

Self-checking Mounting System

Rice Lake's G-Force™ self-checking mounting system eliminates excess movement and scale wear by using 100 percent of the gravitational force from the loading action against itself, returning the scale to center without check rods or bumper bolts.



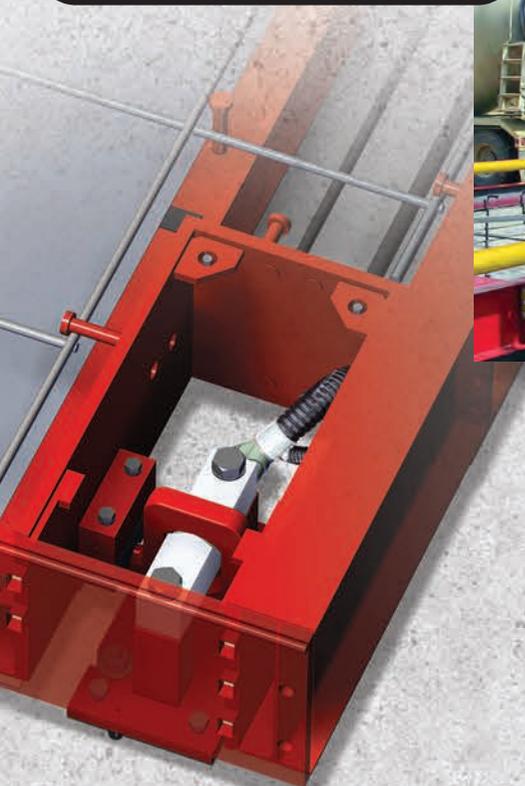
SURVIVOR OTR CONCRETE DECK

Performance

- Up to 270,000 pound gross weight capacity
- 100,000 pound concentrated load capacity (CLC)
- 100,000 pound dual tandem axle rating (DTA)
- 75,000 pound capacity load cells and mounts
- NTEP Certified Legal for Trade up to 16.5 feet wide

Advantage

- Concrete provides better traction in wet or icy weather
- Five to seven years longer life over steel deck
- Better load distribution
- Less maintenance needed
- Ideal for both aboveground and pit applications





Advanced Load Cell Diagnostics with iQUBE²

Digital truck scales perform analog-to-digital conversion in one of two places: the load cell or the junction box. Conversion and diagnostic activity will take place at the load cell if there is an analog-to-digital converter onboard. It is then simply referred to as a “digital” load cell.

Using Rice Lake’s iQUBE², however, a truck scale with an analog load cell can provide diagnostic information. Because conversion takes place at the junction box, sensitive electronics are protected from damaging environmental threats like vibration, extreme temperatures and moisture. iQUBE² digitally monitors and communicates load cell performance, complemented by unparalleled speed and communication.

- Delivers enhanced diagnostics at a fraction of the cost of a digital load cell
- Displays and tracks performance, weight information, changes in dead load and load cell output relative to adjacent cells for each load cell
- Monitors A/D conversion, excitation and communication in real-time
- Tunable diagnostics for return to zero, drift, noise and linearity help assess weighing performance
- Each load cell operates independently, improving the signal-to-noise ratio
- Uses cell emulation to ensure your scale can weigh temporarily even after a load cell failure
- Provides diagnostic LEDs for displaying load cell health, communication port activity, processor heartbeat and digital I/O functionality
- Sends email alerts to a designated service provider if a problem is detected



SURVIVOR[®] OTR SERIES CONCRETE DECK

Automate Your Truck Scale

Build automation into truck scale operations with peripheral scale accessories, advancing safety and efficiency for heavy-capacity applications.

Boost Process Efficiency

Ultimately allowing more trucks to move over the scale, automation improves traffic flow at any site and reduces data input errors. Trucks can be preassigned an identification number and routed through the weighing site with one or multiple traffic lanes, requiring fewer stops. Transfer weight data quickly with a variety of communication options, high-speed printing and customizable software. Automation gets drivers back on the road faster—delivering more product and yielding higher profits.

Automation

Products

Safety

Automated Kiosks / Guide Rails / Software

Remote Displays / Weight Indicators

Rfid Reader / Traffic Light / Junction Boxes

Automated Systems Add Safety

Rice Lake offers automated kiosks and truck scale accessories to promote safety for truck drivers and site employees. Ticketing kiosks allow drivers to check in, weigh in and out, and print tickets automatically without exiting the cab of the truck. Traffic signals, gates and remote displays can be queued to route trucks safely and quickly through the weighing process, minimizing driver time on the property.

SALES AND TECHNICAL ASSISTANCE

RICE LAKE[®]
WEIGHING SYSTEMS

HEADQUARTERS

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