WEIGH-TEC
weighing your future

SURVIVOR OTR TRUCK SCALES

Steel Deck

TOP ACCESS ▪ LOW PROFILE

TOUGHEST TRUCK SCALES ON EARTH

Thank you for the opportunity to bid on the sale and installation of your new truck scale. A 70' by 11' truck scale is the standard size truck scale and is the most common used in truck weighing applications. The SURVIVOR OTR steel deck is our most popular model and will guarantee you many years of weighing with its quality design.

Rice Lake's SURVIVOR truck scale utilizes up to 35 percent more steel content than competitor truck scales, providing the deck support and overall weighbridge strength to last a generation or more.

The SURVIVOR OTR steel deck features a wide-flange beams on 11.5-inch centers run longitudinally with the traffic flow beneath a 5/16-inch diamond plate deck. The wide-flange I-beam construction helps minimize deflection (vertical flexing), a major factor in determining the life of the weighbridge.

Many other manufacturers use lighter beams and bent plates in the middle of the bridge, or may space beams farther away from the center of the module to reduce the cost of the scale. Over time, this type of bridge can bow, causing inaccuracies in weighments, scale downtime and eventually scale failure.

End View SURVIVOR Truck Scale Steel Deck

12-inch wide-flange beams on 11.5-inch centers, open bottom eliminates rust-causing moisture.

End View Competitor Model

Lighter bent plate, closed bottom where moisture can collect and cause rust.

Long-Lasting Value

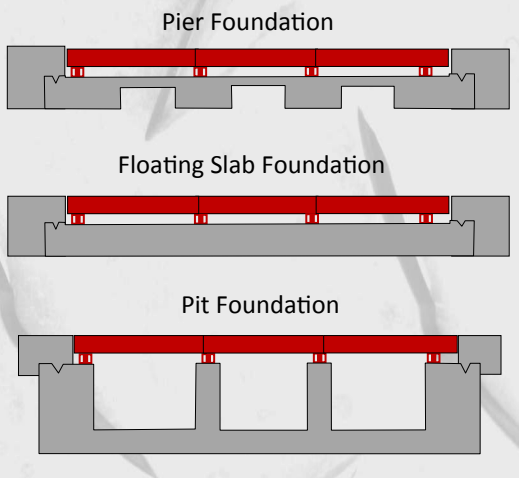
SURVIVOR OTR truck scales are designed to accommodate a minimum of 250 trucks per day for 25 years without weighbridge fatigue—equivalent to more than two million weighments. Rice Lake's five-year parts warranty covers load cells, junction boxes and suspension systems to ensure worry-free operation.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

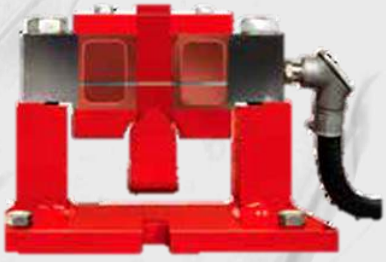
A Solid Foundation

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.

Breathing Room Below

The SURVIVOR OTR steel deck features an open-bottom design, eliminating the cavity where rust-causing moisture can collect. Rice Lake's unique asphalt emulsion coating is applied to all non-visible steel surfaces and undersides, adding extra protection from moisture and corrosive elements to prolong the life of the scale.





Self-Checking Mounting System

Rice Lake's patented G-Force™ 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.

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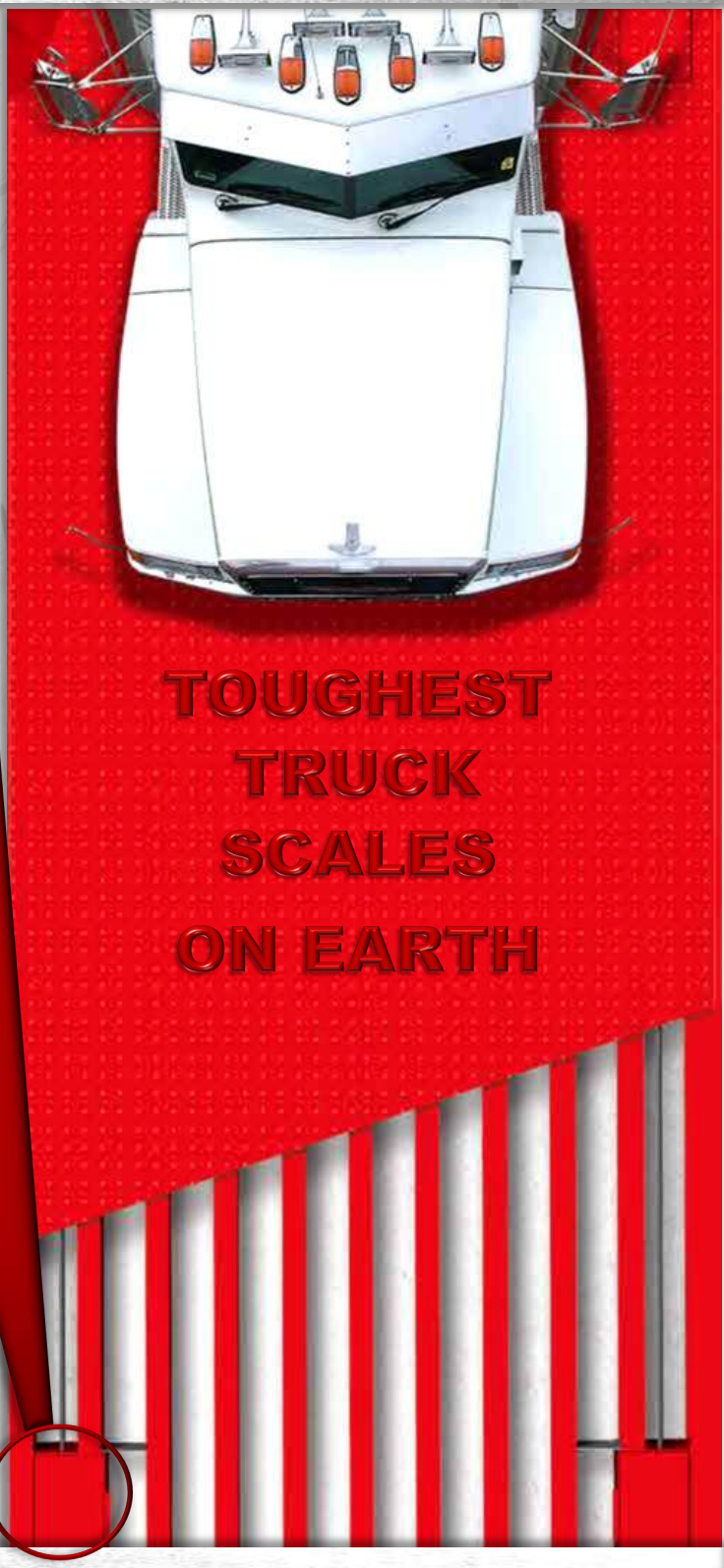
Integrated Load Cell Pockets

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 design of the scale, adding extraordinary strength and integrity to a critical area of the weighbridge.



Survivor OTR Steel Deck

Performance

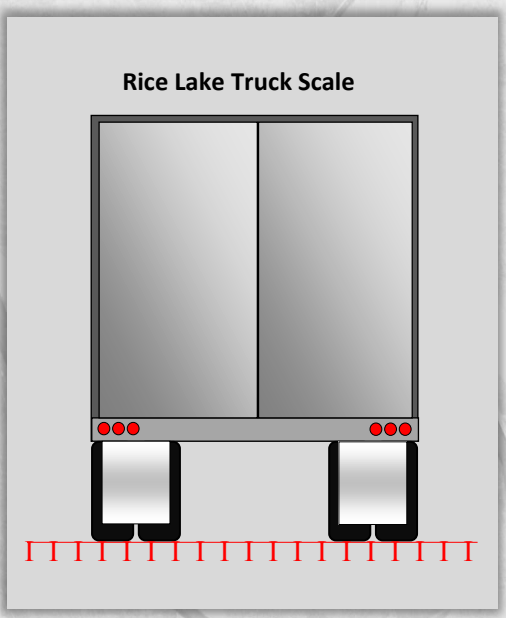
- Up to 270,000 pound gross weight capacity
- 100,000 pound concentrated load capacity (CLC)
- 100,000 pound dual tandem axle rating (DTA)
- Span deflection ratio of 1:1100 for legal highway loads
- 75,000 pound capacity load cells and mounts
- NTEP Certified Legal for Trade up to 16.5 feet wide

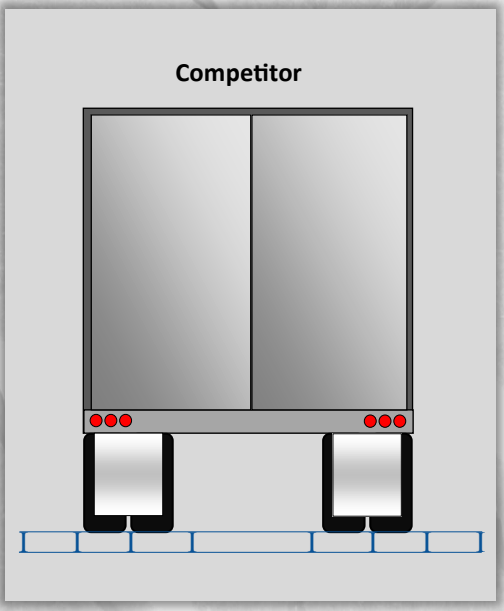
Advantage

- Fast installation
- Easy relocation and expansion
- Lower profiles
- 5/16 or 3/8-inch deck plate
- Optional tread runners for increased tire support

Beats Out the Competition

Compared to competitors, Rice Lake's truck scale offers more support under the tires. The added support minimizes deflection and increases the life of the weighbridge.





Intelligent JunctionBox

Add an iQUBE^2 to your application to display and track load cell performance, and much more.

The Optional iQUBE^2 digital diagnostic junction box has the unique capability to digitally monitor and communicate load cell performance, as well as the ability to compensate for a failing load cell until repairs can be made. IQUBE^2 provides unparalleled speed and communication and is far more resistant to electrostatic discharge and transient damage from lightning strikes than any other traditional junction box.

- iQUBE^2 is a Legal for Trade indicator without a display. It can be interfaced to almost any serial host using open protocol.
- With iQUBE^2, each load cell operates independently, improving the signal-to-noise ratio and making diagnostic functions available.
- The iQUBE^2 emulator function compares the output of each load cell to cell adjacent to it and matches the cell output profile, allowing the scale to remain operational until a repair can be made.
- Each iQUBE^2 board has diagnostic LEDs for displaying load cell health, communication port activity, processor heartbeat and digital I/O functionality. The boards can run with a DC power source (7.5-12 VDC), or with an AC power supply that mounts in the enclosure.

When paired with Rice Lake's 920i® digital indicator, diagnostics are taken a step further. The 920i display will prompt when a potential problem is detected and

Complete your scale with the highest quality accessories…

1)HMI Digital Weight Indicators

We offer a complete line of weight indicators, including models that can store up to 1,000 truck ID numbers and truck tares. Weight indicators are available in a range of enclosures for various environmental protection levels.,

2) iQube^{2}® Intelligent Junction Box

Featuring the latest analog-to-digital technology for continuous scale monitoring and advanced diagnostics, iQube^{2} provides a value-added solution for multi-cell scale systems.

3) Ticket and Continuous Fanfold Printers

Our high-speed, high-quality printers include performance features such as 180 characters-per-second printing and double-strike power to handle up to five-part multicopy forms.

4) OnTrak™ Data Management Software

OnTrak is easy-to-use, network-capable software with full reporting, accounting and invoicing features that connect your scale to your office computer and accounting system.

5) Automated Ticketing Kiosk

Our Automated Ticketing Kiosk (ATK) system is ideal for truck identification, ticketing, and load assignment and weighing for concrete, aggregate and asphalt plant operations. ATK systems optimize truck and material flow and increase efficiencies throughout operations.

6) Remote Displays

Featuring a super-bright LED display and non-glare filtered lens, the SURVIVOR LaserLight® remote display and M-Series messaging remote display are clearly visible— even in direct sunlight. The displays' unique Intellibright™ feature uses a photo sensor to read ambient light to automatically adjust the displays' intensity between day and night settings to optimize power usage.]

7) Traffic Signals

Our traffic signals have been tested to more than 80=miles-per-hour wind conditions on a single-point attachment. Corrosion-resistant PVC coatings and stainless steel hardware make the unit fully resistant to weathering.

8) Guiderails (Our Recommended Option)

Heavy-duty guiderail systems offer an attractive, visible guide to help drivers stay centered on the scale. The guiderails are slightly offset to allow full use of the deck surface and minimize damage to truck wheels if contact is made.