

# SURVIVOR<sup>®</sup>

**OTR** SERIES

STEEL DECK

Truck Scale



**TOUGHEST  
TRUCK SCALES  
ON EARTH<sup>®</sup>**

**RICE LAKE<sup>®</sup>**  
WEIGHING SYSTEMS

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)



# Uncompro

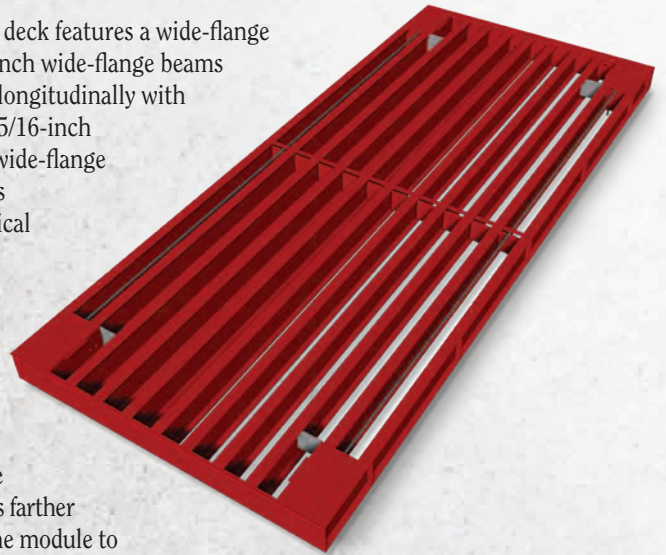
## SURVIVOR Strength

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

The compact, low-profile SURVIVOR OTR steel deck installs quickly—ready to weigh heavy loads and withstand constant traffic in as little as one day, getting production processes up and running as quickly as possible.

The SURVIVOR OTR steel deck features a wide-flange I-beam construction. 12-inch 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





**TOUGHEST TRUCK SCALES ON EARTH<sup>®</sup>**

# omising



## 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

Steel deck OTR truck scales go through an extensive finishing process: blast-cleaning to remove mill scale and surface imperfections, maximum coating adhesion preparation, 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



## 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.

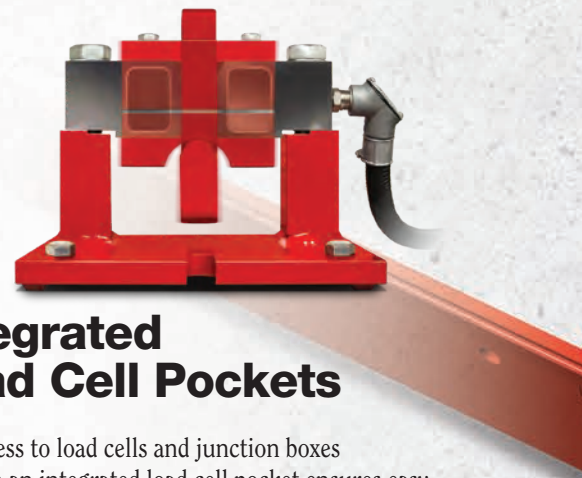
## Advanced Design

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 sizes are a standard procedure and can be manufactured to easily fit existing foundations.



## 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.



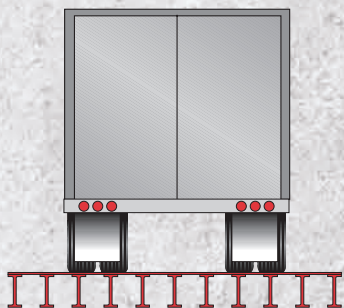
## Integrated Load Cell Pockets

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.

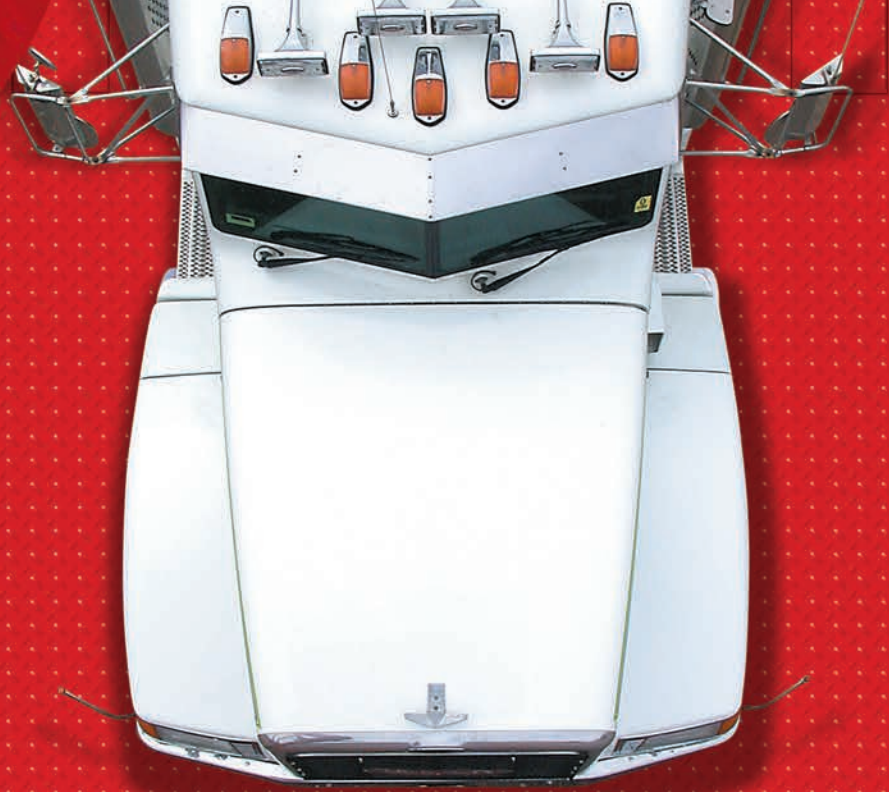
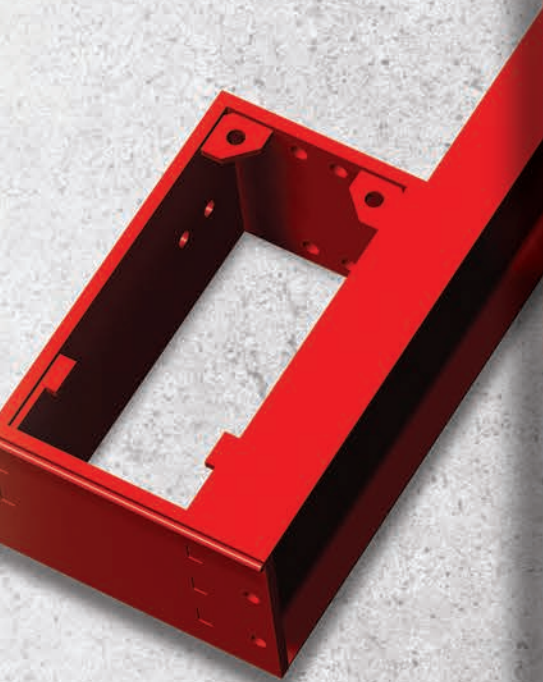
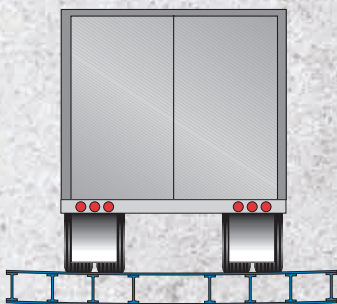


Compared to competitors, Rice Lake's truck scales offer more support under the tires, minimizing deflection and increasing the life of the weighbridge.

#### Rice Lake Truck Scale



#### Competitor



## **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)
- 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





## Advanced Load Cell Diagnostics with iQUBE<sup>2</sup>

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 iQUBE<sup>2</sup>, 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. iQUBE<sup>2</sup> 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



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TOUGHEST TRUCK SCALES ON EARTH<sup>™</sup>



# SURVIVOR<sup>®</sup> OTR SERIES

STEEL 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

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