

# SURVIVOR<sup>®</sup>

## OTR SERIES

TOP ACCESS LOW PROFILE CONCRETE & STEEL DECK TRUCK SCALES

RICE LAKE  
**SURVIVOR<sup>®</sup>**  
TOUGHEST SCALES ON EARTH<sup>SM</sup>

**Toughest  
Scales  
On Earth.<sup>TM</sup>**

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

Commitment Beyond Measurement<sup>®</sup>

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



NTEP-certified widths to 14 feet!

## **SURVIVOR® OTR™** Concrete or Steel Deck Top Access.

### **Performance...**

- Up to 270,000 lb gross weight capacity
- 90,000 lb Concentrated Load Capacity (CLC)
- 90,000 lb Dual Tandem Axle rating (DTA)
- Strongest weighbridge for long-lasting durability
- 75,000 lb capacity load cells and mounts
- Span Deflection ratio 1:1100 for legal highway loads on steel deck model;  
1:1300 for legal highway load on concrete deck model
- Faster, more accurate weighments — less wear with G-FORCE™ mounting system

### **Features...**

- Asphalt emulsion undercoating
- Top access to load cells and junction boxes for easy installation and maintenance
- NTEP-certified widths to 14 feet for faster processing of trucks and added safety for drivers
- All load cell cable is run through factory-installed metal conduit with flex-conduit hub fittings from load cell to provide ultimate protection
- Ideal for both above ground and pit applications
- Dimensioned to easily fit existing foundations

### **and Value.**

- More steel and more standard features than competitive models
- Five-year weighbridge guarantee
- RLWS products are manufactured in accordance with ISO 9001 guidelines



**We put more  
into them.  
Expect more  
out of them.**

Unlike most “economy class” models, SURVIVOR® OTR scales don’t sacrifice quality for price. Both the OTR concrete and steel deck modules boast wide flange I-beam construction. The steel deck design features 12—12" wide flange beams on 12" centers running longitudinally with the traffic flow beneath diamond plate deck. The concrete deck features 12" main beams and 6" beams under a 6" thick slab of concrete. The wide flange I-beam construction helps minimize deflection (vertical flexing) a major factor in determining the life of the weighbridge. An industry-leading 90,000 lb CLC means you’ll have consistent, accurate weighments, even under the toughest conditions. SURVIVOR OTR scales are designed to accommodate a minimum of 250 trucks per day with a DTA load of 45,000 pounds for 25 years without weighbridge fatigue. This is equivalent to over 2 million weighments. The legal highway DTA loading in most states is 34,000 pounds! Our PE-certified design engineers use the most advanced FEA (Finite Element Analysis) software to examine high stress areas and design SURVIVOR truck scales based on actual loading characteristics.

In addition, our patented load cell suspension design will ensure reliable, legal-for-trade accuracy that you can depend on for years to come.

Finally, to make your truck scale investment decision even easier, we back up these real-world advantages with a class leading 5-year weighbridge guarantee.

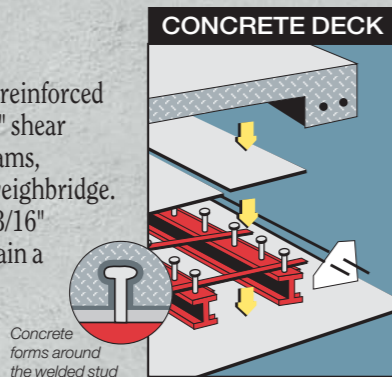


**RICE LAKE**  
**SURVIVOR®**  
TOUGHEST SCALES ON EARTH™

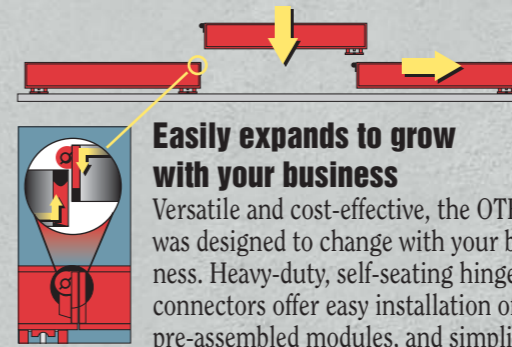
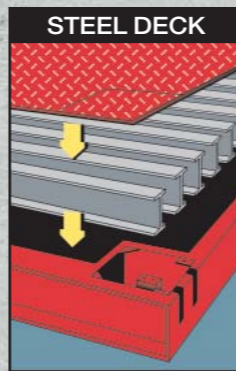
# Any way you look at it, the best scale in its class.

## Designed and built to federal bridge standards

On each OTR module, the full 6" thick reinforced concrete deck encases hundreds of 3/4" shear studs welded to the supporting 6" I-beams, creating a monolithic 12" thick rigid weighbridge. When combined with the continuous 3/16" bottom deck plate, the modules maintain a minimal deflection ratio.



For applications where steel is preferred, or downtime is critical, choose the OTR steel deck. Each module is supported by wide flange main and support beams to provide exceptional rigidity and minimal deflection. The large number of support members means less stress on the top plate, and less chance of "dimpling" with repetitive loading.



## Easily expands to grow with your business

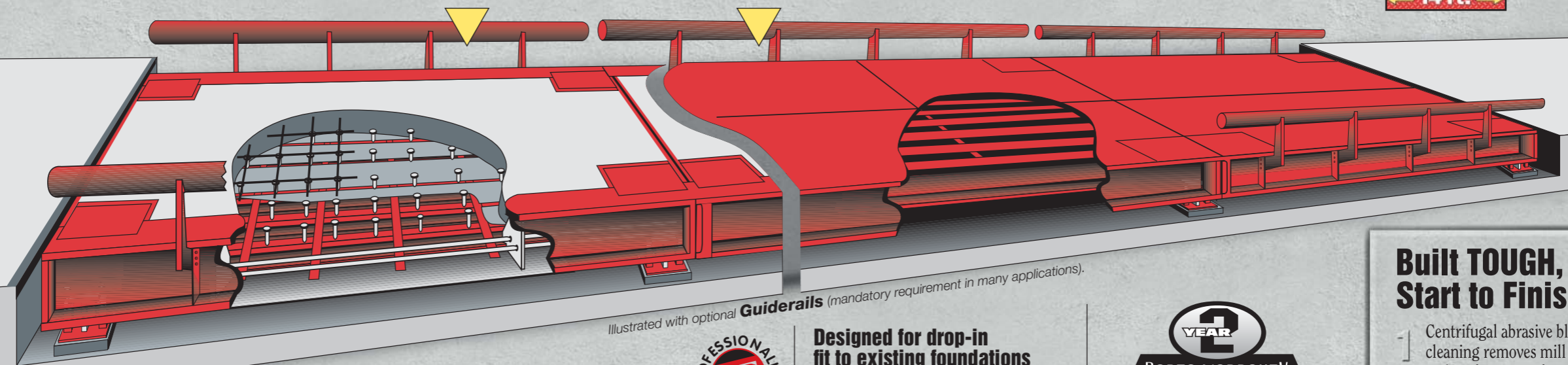
Versatile and cost-effective, the OTR was designed to change with your business. Heavy-duty, self-seating hinge connectors offer easy installation of the pre-assembled modules, and simplify future expansion.

## NTEP certified

All OTR concrete and steel deck models up to 14 feet wide are NTEP-certified Legal-for-Trade. CC# 02-003



AVAILABLE IN CONCRETE — AND — STEEL DECK MODELS



Illustrated with optional **Guiderrails** (mandatory requirement in many applications).



## Accuracy begins with the proper foundation

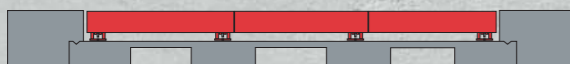
Matching the correct foundation to specific soil conditions is critical to scale performance. Factory specialists and authorized distributors will assist in specifying the proper type for each application site. Professional engineer-certified prints are available to further ensure a quality foundation.

(OTR scales available for shallow pit applications.)

### Floating Slab Foundation

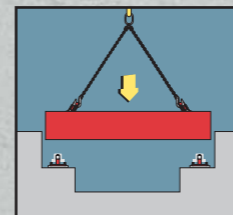


### Pier Foundation



## Designed for drop-in fit to existing foundations

The OTR's slightly undersized dimensions simplify replacement of existing scales.

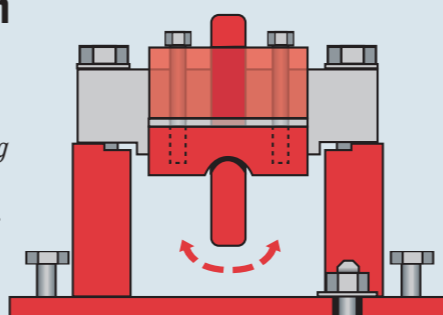


## 2 YEAR PARTS WARRANTY and Lightning Protection

To ensure worry-free operation, we've included a 2-year Parts Warranty which covers load cells, junction boxes, suspension systems and lightning protection.

## G-Force™ Patented self-checking mounting system

Exclusive design sets an entirely new standard for performance, efficiency and durability. The G-Force mount system eliminates excess movement and scale wear by using 100% of the gravity force from the loading action against itself—instantaneously returning the scale to dead center without check rods or bumper bolts. The result? Faster processing, consistent accuracy and less maintenance.



## OTR Series Specifications/Dimensions:

Length	Full Scale Capacity	Modules	Load Cells	DTA/CLC Rating
10 ft	60 tons	1	4	90,000 lb
20 ft	60 tons	1	4	90,000 lb
24 ft	60 tons	1	4	90,000 lb
30 ft*	60 tons	1	4	90,000 lb
40 ft	100 tons	2	6	90,000 lb
47 ft	100 tons	2	6	90,000 lb
60 ft	100 tons	3	8	90,000 lb
70 ft	100 tons	3	8	90,000 lb
75 ft	100 tons	3	8	90,000 lb
80 ft	100 tons	4	10	90,000 lb
93 ft	100 tons	4	10	90,000 lb
100 ft	100 tons	5	12	90,000 lb
117 ft	100 tons	5	12	90,000 lb

All OTR series scales are available in 10', 11', 12' and 14' widths. All complete OTR scales listed are undersized for easy installation into existing pits. Example: 70 ft. scale – actual length 69 ft 10.5 in.

## Built TOUGH, Start to Finish...

- 1 Centrifugal abrasive blast cleaning removes mill scale and surface imperfections
- 2 A hot phosphate cleaning process prepares deck for maximum adhesion of coating applications
- 3 Galvanized support pans are placed on concrete deck versions
- 4 High-performance epoxy primer is applied to the steel
- 5 Specialized hard-coat alkyd enamel completes finish
- 6 Asphalt undercoating applied to interior and underside of entire scale



\*OTR Series weighbridges are warranted against defects in materials and workmanship for a period of 5 years from delivery.



## Think inside the box to maximize scale performance and minimize downtime

With the optional *i*QUBE digital diagnostic junction box, continuous monitoring assures scale system reliability and top performance so your product quality and business profitability are never at risk.



### Add an *i*QUBE™ to your application...

- The latest analog to digital technology and open architected design for simple system integration
- Advanced diagnostic capabilities through indicator visuals and e-mail messages
- Reduced troubleshooting time with on-board LEDs that indicate a potential problem and its location
- Advanced data collection capabilities for capturing and analyzing information
- Flexible migration paths that cater to ongoing growth as scale technology changes
- Exclusive TuffSeal™ enclosure design seals out moisture



08/04/2003		02:33PM		Scale #1	
Diagnostics					
NAME		DEADLOAD	CURRENT		
A1-Load Cell 1		0.376	0.386		
A2-Load Cell 2		0.284	0.338		
A3-Load Cell 3		* ERROR *	0.507		
A4-Load Cell 4		* ERROR *	0.594		
System 1				2004.656	
4 weighments over 1000 grads					
				Cell OK	
Previous	Millivolts	Done	Next	MORE =>	

When paired with Rice Lake's 920i digital indicator, diagnostics are taken a step further. The display of the 920i will prompt when potential problem is detected and even e-mail the findings to your service provider.

## Complete your scale with the highest quality accessories

**The toughest scales on Earth deserve the best... your Rice Lake Weighing Systems distributor can help you specify the system that's right for you.**

**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.

**2 iQUBE™ Intelligent Junction Box**

Featuring the latest analog to digital technology for continuous scale monitoring and advanced diagnostics, iQUBE 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 like 180 character-per-second printing and double-strike power to handle up to five-part multi-copy forms.

**4 TransAct LE®/TransAct® Plus Data Management Software**

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

**5 Automated Truck Scale Controllers**

Equipped with a powerful processor and a high-quality indicator, ATS controllers are designed to automate inbound/outbound scale terminals and unattended gross vehicle weight ticket printing. They feature a waterproof NEMA 4 enclosure and cast aluminum keypad for protection from the elements and vandalism.

**6 Traffic Signals**

Rice Lake traffic signals have been tested to over 80 MPH wind loading on a single-point attachment. Corrosion-resistant PVC coatings and stainless steel hardware make the unit virtually impervious to weathering.

**7 Remote and Messaging Displays**

Featuring a super-bright LED display and a non-glare filtered lens, the SURVIVOR LaserLight remote display and M-Series messaging remote display is clearly visible—even in direct sunlight. The 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. The 4" and 6" LaserLight and 8 and 12-character M-Series models are available with visors.

**8 Guiderrails (Recommended option)**

Heavy-duty rail system offers a strong, attractive barrier against accidental drive-offs. Offset tube design allows full use of weighing surface and minimizes damage to truck wheels when contact occurs.



**Inquire about our full line of vehicle scales tailored to your specific application needs.**



**SURVIVOR<sup>®</sup> SR**  
Extreme-duty, low profile concrete or steel deck siderail scales



**SURVIVOR<sup>®</sup> ATV**  
Heavy- and extreme-duty top access or siderail portables



**SURVIVOR<sup>®</sup> PT**  
Pit-type concrete or steel deck scales

**CUSTOM DESIGNS AVAILABLE**

We manufacture and stock a wide selection of scales in sizes and capacities we've found to be most popular. However, we also specialize in custom solutions including unique dimensions and profiles, existing pit and foundation matching, extreme weight capacities, dump through modules, and more.

Call us at **800-472-6703** to discuss your requirements with a member of our Heavy Capacity Business Unit and to locate an authorized distributor in your region.

Visit us at **www.ricelake.com** for complete specifications and to see the entire Rice Lake Weighing Systems' vehicle scale line.

Your Rice Lake Weighing Systems distributor is:



Commitment Beyond Measurement<sup>®</sup>

230 W. Coleman St. • Rice Lake, WI 54868 • USA

TEL: 715-234-9171 • FAX: 715-234-6967 • WEB SITE: **www.ricelake.com**