

# SURVIVOR<sup>®</sup> OTR SERIES

## 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.

- 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. They're available in standard or NEMA stainless steel enclosures.
- zQUBE<sup>®</sup> 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. A single-point ground system and fiber optic connections ensure the instrumentation is isolated from transient spikes in voltage.
- Ticket and Continuous Fanfold Printers** Our high-speed, high-quality printers include performance features like 180 characters-per-second printing and double-strike power to handle up to five-part multi-copy forms.
- Transact<sup>®</sup> 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.
- Automated Ticketing Kiosk** Rice Lake has developed the Automated Ticketing Suite kiosk system for truck identification, load assignment and weighing, and ticketing for concrete, aggregate and asphalt plant operations. With this new system, plant managers can optimize the flow of trucks and materials and increase efficiencies throughout their entire operation.
- 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 display's intensity between day and night settings to optimize power usage. Increase truck throughput with the new 4" LaserLight with stop and go lights. The 4" and 6" LaserLight and 8 and 12-character M-Series models are available with visors.
- Traffic Signals** Rice Lake traffic signals have been tested to more than 80 MPH wind conditions on a single-point attachment. Corrosion-resistant PVC coatings and stainless steel hardware make the unit fully resistant to weathering.
- Guiderails (Recommended option)** Heavy-duty rail system offers an attractive visible guide to help drivers stay centered on the scale. The rails are slightly off-set to allow full use of the deck surface and minimize damage to truck wheels if accidental contact is made.

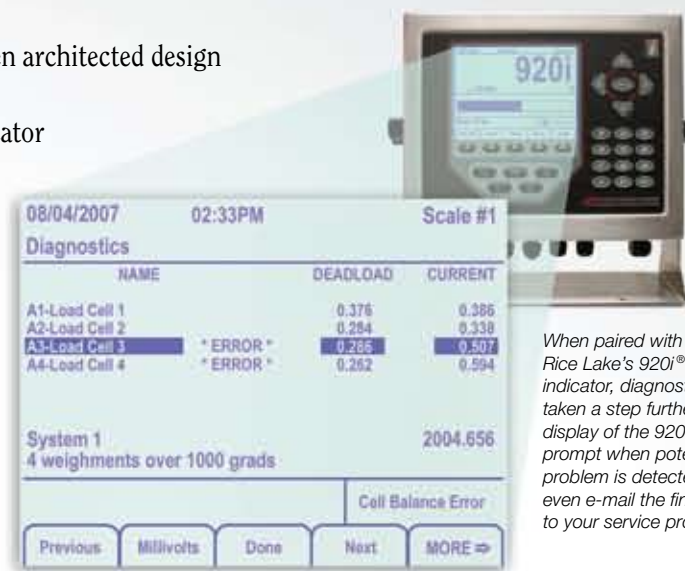


## Think inside the box to maximize scale performance and minimize downtime

With the optional zQUBE<sup>®</sup> 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 zQUBE 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



When paired with Rice Lake's 920i<sup>®</sup> 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.

08/04/2007 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 *	0.286	0.507
A4-Load Cell 4	* ERROR *	0.262	0.594
System 1		2004.656	
4 weighments over 1000 grads			
		Cell Balance Error	
Previous	Millivots	Done	Next MORE

## 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> PT**  
Pit-type concrete or steel deck scales



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

## Custom Designs Available

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

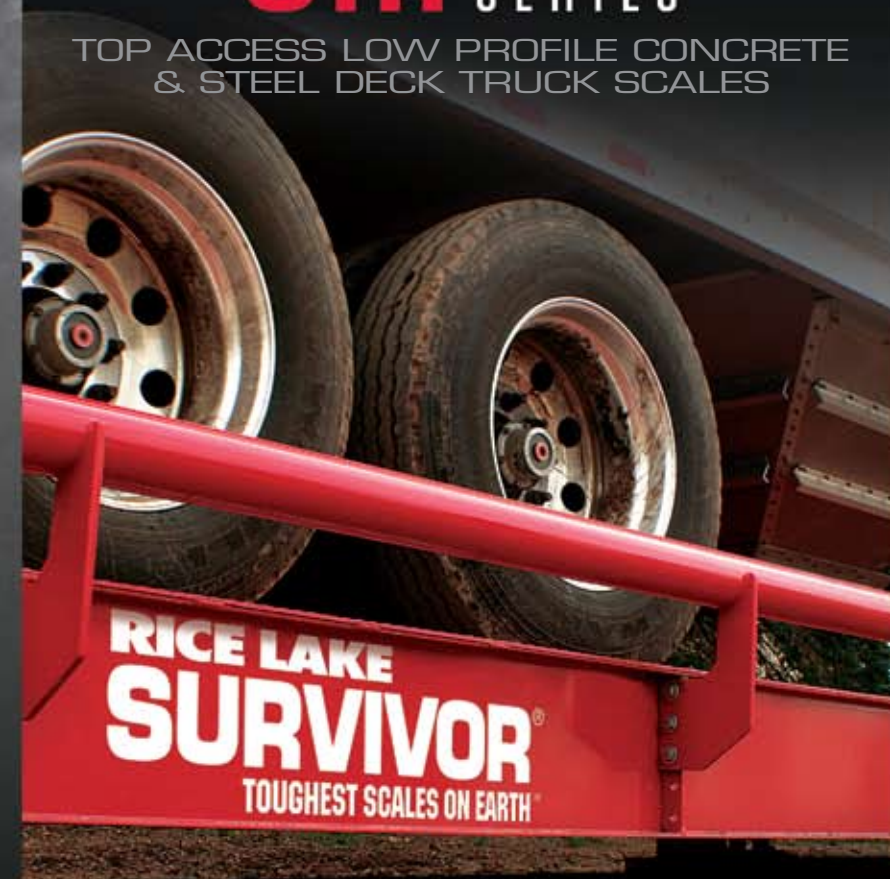
Call us at **800-472-6703** to discuss your requirements with a member of our Heavy Capacity Sales Group and to locate an authorized distributor in your region.

Visit us at [www.ricelake.com/truckscales](http://www.ricelake.com/truckscales) for complete specifications and to see the entire Rice Lake Weighing Systems' vehicle scale line.

# SURVIVOR<sup>®</sup>

## OTR SERIES

TOP ACCESS LOW PROFILE CONCRETE & STEEL DECK TRUCK SCALES



**TOUGHEST SCALES ON EARTH.**

**RICE LAKE**  
WEIGHING SYSTEMS  
Commitment Beyond Measurement<sup>®</sup>

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

Your Rice Lake Weighing Systems distributor is:

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WEIGHING SYSTEMS  
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230 W. Coleman St. • Rice Lake, WI 54868 • USA  
TEL: 715-234-9171 • FAX: 715-234-6967 • [www.ricelake.com](http://www.ricelake.com)

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Specifications subject to change without notice



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
- 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 a 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.

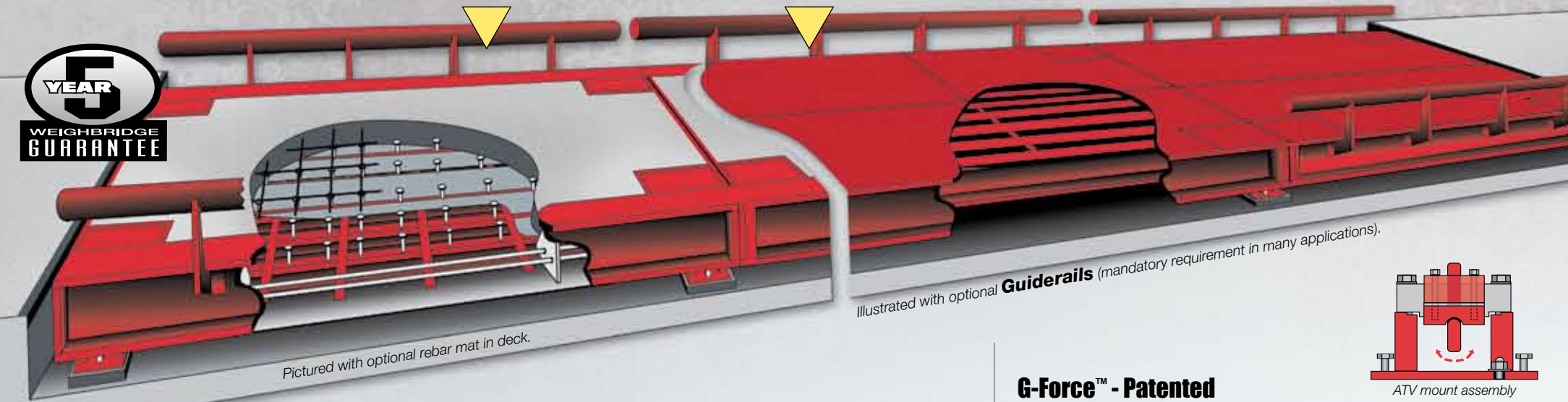
Finally, to make your truck scale investment decision even easier, we back up these real-world advantages with a class leading 5-year weigh-bridge guarantee.

# SURVIVOR® OTR SERIES

TOUGHEST SCALES ON EARTH™

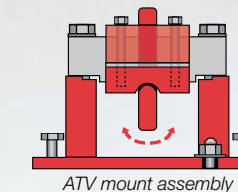
## Any way you look at it, the best scale in its class.

AVAILABLE IN CONCRETE — AND — STEEL DECK MODELS



Pictured with optional rebar mat in deck.

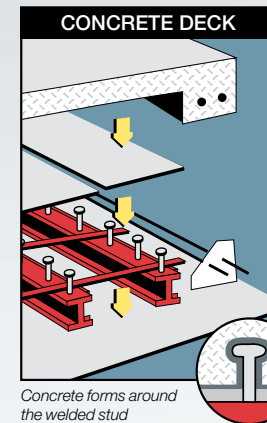
Illustrated with optional **Guidrails** (mandatory requirement in many applications).



ATV mount assembly

### 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.



Concrete forms around the welded stud

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.



### 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.)



### Built Tough, Start to Finish...

- 1 Centrifugal abrasive blast cleaning removes mill scale and surface imperfections
- 2 A thorough 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 all non-visible steel surfaces

### SURVIVOR® OTR Series Specifications/Dimensions:

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

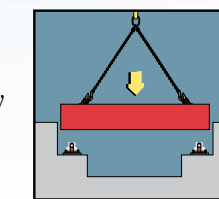
All OTR series scales are available in 10', 11', 12' and 14' widths. All complete OTR scales listed are undersized for easy installation into existing pits. Example: 70 ft. scale - actual length 69 ft 10.5 in. \*Available in Steel

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

Exclusive design sets an entirely new standard for performance, efficiency and durability. The G-Force mounting 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.

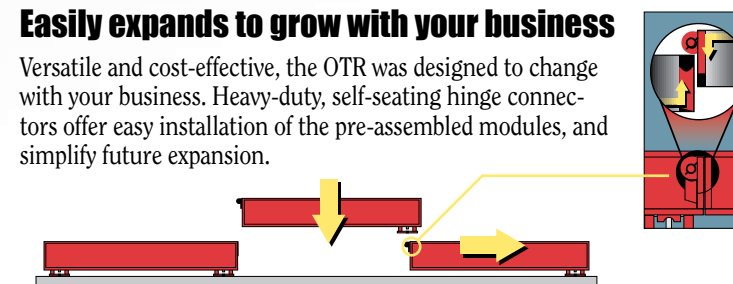
### Designed for drop-in fit to existing foundations

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



### 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.



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

### NTEP-certified

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



### 5-Year Parts Warranty and Lightning Protection

To ensure worry-free operation, we've included a 5-year Parts Warranty that covers load cells, junction boxes, suspension systems and includes a lightning protection package.



\*OTR Series weighbridges are warranted against defects in materials and workmanship for a period of 5 years from delivery. Check with federal, state and local authorities for vehicle scale guidelines and regulations.