

# RailBoss®

**RAIL** SCALE



**TOUGHEST  
SCALES  
ON EARTH.®**

**RICE LAKE®**  
WEIGHING SYSTEMS

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

Weigh rail cars before they leave the yard

## RailBoss® Rail Scales Fit Your Yard and Budget

Many scrap yards, agricultural operations and plants that could never afford the space, time and cost of a conventional rail scale can afford to install Rice Lake's RailBoss rail scale. It is less than one-third the cost of other rail scales and typically takes less than eight hours to install.

### Robust Rail Car Weighing

RailBoss is a series of five-foot, 10-inch rail sections fitted with strain gauges to accurately measure the gross weight of rail cars. Each section of rail is an individual weighbridge for a single wheel. The system provides total car weight plus weight readings for individual rail trucks. Rail cars can be positioned in various ways: track mobile, tug motors, locomotives or other convenient means. Once the rail car is in position, Rice Lake's weight indicator displays the weight. Choose the 1280 Enterprise™ Series for large, color touchscreen convenience or the 920i® for standard operation.

RailBoss is designed for rail cars with five-foot, nine-inch to five-foot, 11-inch truck centers and can be installed in any location that has straight and level track for at least three car lengths. RailBoss sections are bolted onto existing track and ties, minimizing installation time and disruption of rail traffic. The standard RailBoss utilizes 90RA, 115RE or 132RE rail. Custom rail sizes are also available.

### Improving Efficiency and Savings

Running balanced rail cars at or near capacity assures the greatest efficiency and profit. RailBoss eliminates the guesswork of volumetric measuring and variable tare weights. With RailBoss, underloading, incorrect billing, overloading, rejection and fines can all be avoided.

RailBoss provides the accuracy needed for checkweighing, process monitoring, filling, record keeping and maintaining safe loads. Trains not being weighed can move across the scale at normal line speed without affecting the scale.

RailBoss' simple and straightforward design also makes it a seamless replacement for similar rail scales.



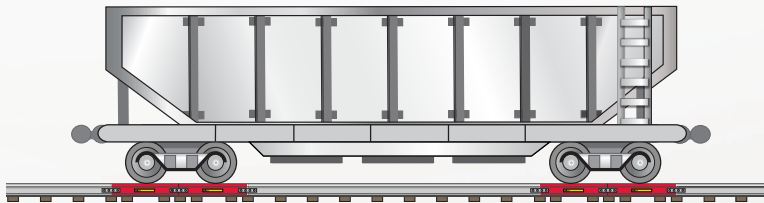
## Quick-disconnect Cables

RailBoss utilizes MS quick-disconnect cable connectors to reduce unexpected maintenance and repairs. The enhanced cable connectors automatically release before reaching damaging tension, saving valuable repair time and replacement costs.



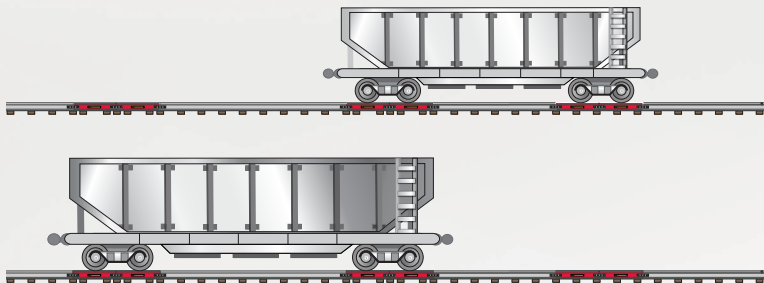
## Full-draft RailBoss

The full-draft system, consisting of eight RailBoss sections, can weigh an entire rail car in a single draft. Each RailBoss section supports a single rail car wheel. The full-draft system also allows double-draft rail car weighing when needed.



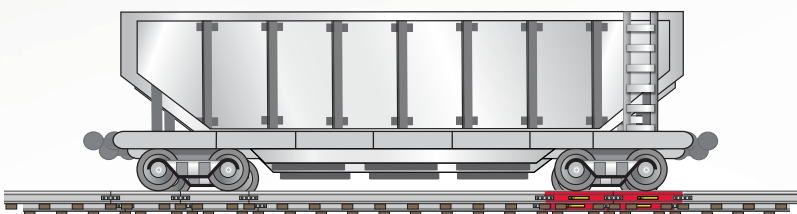
## Three-channel Full-draft RailBoss

The three-channel full-draft system consists of 12 RailBoss sections to accommodate both 50-foot and 60-foot rail car weighing. Weigh an entire car, with the flexibility of variable car lengths, in a single draft. Each RailBoss section supports a single rail car wheel.



## Double-draft RailBoss

The double-draft system uses only four RailBoss sections and weighs one end of the car, then the other. This system is ideal when it is necessary to weigh a wide range of rail car sizes. Rice Lake's 1280 or 920i indicator instantly displays the individual rail truck weights and rail car total.

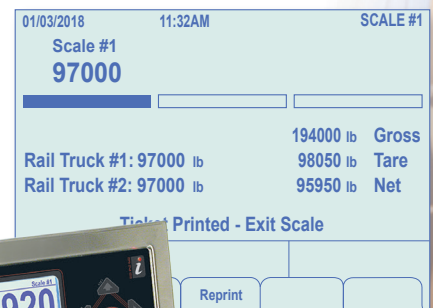


## Intuitive Software to Manage the Process

RailBoss software guides the operator through each step of the weighing process. The indicator displays individual rail truck weights and total car weights, as well as gross, tare and net weights. Rail car ID numbers can be input through the front panel, and an optional printer can provide a printed record of all transactions.

Choose the weight indicator that best suits your application, either Rice Lake's 920i or 1280 Enterprise Series. The 920i provides rock-solid, standard operation while the 1280 includes enhanced features such as an onboard web server for remote access.

The 1280 also utilizes a seven-inch color touchscreen display for large, bright visibility of on-screen data.



# RailBoss®

RICE LAKE RAIL SCALE

**Complete your scale with the highest quality accessories.**  
The toughest scales on Earth deserve the best...

- 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. They are available in standard or NEMA stainless steel enclosures.
- 2. iQUBE® Intelligent Junction Box** Featuring the latest analog to digital technology for continuous scale monitoring and advanced diagnostics, iQUBE2 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.
- 3. 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.
- 4. OnTrak® Data Management Software** OnTrak 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. Traffic Signals** Rice Lake's traffic signal housing meets or exceeds ITE specifications. Kits are Intertek/ETL certified and listed on the ETL certification program. Stainless steel light hardware and a 4.5-inch aluminum pole hold up to harsh weather conditions. Temperature compensated power supplies ensure long LED light life.
- 6. Remote Displays** Featuring a super-bright LED display with non-glare lens, the LaserLight2 remote display provides weight, numeric data and messages with seven-segment, six-digit characters that are easy to read. Mounting options include a flange tab for vertical surface or pole mounting, or a VESA mounting bracket for increased versatility.
- 7. RFID Readers** RFID cards, keys and tags speed up railroad weighing traffic flow and remotely identify rail cars with radio frequency identification (RFID). Rice Lake offers a selection of devices to meet the needs of nearly any process.

## RailBoss Standard Features

- Double-draft system utilizes a single A/D card
- Full-draft system utilizes a dual A/D card
- MS quick-disconnect cable connectors
- Gross or gross/tare/net operation and tickets
- Scale and accumulated gross/tare/net display simultaneously
- Optional rail car ID entry
- Optional tare entry via keyed tare or captured tare

## RailBoss Specifications

- Static rail car weighing

## Capacity

- 320,000 x 100 lb
- Axle Capacity: 80,000 lb
- Rail Truck Capacity: 160,000 lb
- Rail Size: 90RA, 115RE or 132RE (custom rail sizes available)

## Foundation

- None required; installs on existing ties and ballast

## Accuracy

- Full-draft model  $\pm 0.25\%$  or  $\pm 200$  lb
- Double-draft model  $\pm 0.4\%$  or  $\pm 300$  lb
- Non-Legal for Trade

Your Rice Lake Weighing Systems distributor is:



## 1280 Enterprise™ Series Indicator Specifications

- Seven-inch, 800 x 480 pixel, graphical color TFT display 500 or 1000 NIT
- NEMA Type 4X/IP69K stainless steel enclosure
- Reflash memory to upgrade firmware
- RailBoss software for full-draft, three-channel full-draft and double-draft applications
- Rail car ID entry
- Tare entry via keyboard or captured tare
- Onboard web server enables remote access

## 920i® Indicator Specifications

- (W x H) 4.6 x 3.4 in, 320 x 240 pixel, backlit LCD display
- Selectable character sizes from .25 to 1.2 in
- Millivolt calibration, five-point linearization and geographical calibration
- NEMA Type 4X/IP66 stainless steel enclosure
- Reflash memory to upgrade firmware
- RailBoss software for full-draft, three-channel full-draft and double-draft applications
- Rail car ID entry
- Tare entry via keyboard or captured tare

**RICE LAKE®**  
WEIGHING SYSTEMS

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