



# Product Guide



**PALMETTO**  
**P R E C I S I O N**  

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**ENGINEERING & SCALES**

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# Heavy Capacity

From small town operations to large industrial plants and everywhere between, Rice Lake Weighing Systems manufactures scales and weighing equipment to withstand the most demanding heavy capacity applications.

## **SURVIVOR® Truck Scales**

Make your next truck-scale investment your last. SURVIVOR® Truck Scales are known as “The Toughest Truck Scales on Earth®,” built from the ground up using up to 35 percent more of the highest quality structural steel with a diamond-checked steel treadplate or concrete deck. SURVIVOR scales come in almost any size, capacity and configuration, designed with your business in mind, and built to last a generation or more.

## **RailBoss™ Rail Scale**

For weight verification and other applications that aren't Legal for Trade, RailBoss is a cost-effective and easy-to-install method of weighing stationary railroad cars. Powered by Rice Lake's 920i® and RailBoss software, RailBoss provides an accuracy of +/- .25% and can be purchased as either an eight-section full-draft system or the simpler four-section double-draft model. Consult factory for additional details.

## **SURVIVOR® Rail Scales**

Rice Lake's railroad track scales bring our best-in-class SURVIVOR weighbridge design to the railway industry. These scales deliver the most durable, highly accurate, Legal for Trade weighing, and meet AREMA and Cooper E-80 design specifications. Available as a truck/rail scale combination or modular designs. Like any SURVIVOR, Rice Lake rail scales are built to go the distance.





# Instrumentation

In today's electronic world, a Human Machine Interface (HMI) is an essential part of increasing productivity and maximizing the performance of an entire system. Rice Lake is constantly at the forefront of developing new HMI technology and finding new ways to electronically manage the weighing processes we use every day.

## Indicators/Controllers

From programmable indicators/controllers to basic weight displays, Rice Lake manufactures electronic indicators to meet a broad range of operator needs, Rice Lake's digital weight indicators and controllers are well suited for a wide variety of environments, such as washdown or hostile, and are available in panel, universal and wall mounts.

## iQUBE<sup>2</sup> Digital Junction Box

For the management of multiple-load-cell systems, iQUBE<sup>2</sup> is the fastest smart junction box available. Advanced diagnostics and a cell-emulation feature that compensates for load cell failure make iQUBE<sup>2</sup> a must-have tool for mission-critical applications. Enhance your system with Virtui<sup>2</sup>, a PC-based HMI designed to work in conjunction with iQUBE<sup>2</sup>.

## Remote Displays

When your scale data needs to be larger, brighter, or read from a distance, remote displays are a simple addition to your existing system. Rice Lake offers a variety of remote displays for indoor and outdoor use, varying in size, light intensity, and capability. You'll even find a display with red and green stop/go lights to streamline communication at busy facilities.

## Automated Ticketing with OnTrak<sup>®</sup> Software

Ticketing kiosks from Rice Lake speed up heavy-capacity operations and eliminate costly clerical errors. These durable, weatherproof enclosures house almost any type of printer, for simple drive-up ticket retrieval. Customize with features like RFID vehicle recognition, card readers, keypads, and more. Add OnTrak software for smoother weight-data management and reporting.







# Process Control

Weighing is ideal for many process control situations. Rice Lake Weighing Systems has been a leader in creating customized solutions for challenging applications since 1946. Contact us today to see how Rice Lake's cutting edge technology can be put to work for you.

## 920i® FlexWeigh Systems

As the direct factory replacement for FlexWeigh's DWM-IV Series, Rice Lake's 920i FlexWeigh Systems are pre-engineered and pre-programmed for many of manufacturing's most common weighing tasks. Available in nine standard models for four different kinds of use: single-ingredient filling, loss-in-weight filling, NTEP-approved bulkweighing, and multi-ingredient batching.



## CB-3, Concrete Batch Controller

Powered by an industrial PC, the CB-3 concrete batching control system is fast, efficient and ideal for ready-mix and block plants. It is capable of controlling portable plants, stack-up plants, central mix, dry batch and pre-cast plants. From weighing raw material to automatic printing of tickets and detailed reports, your entire operation is centrally controlled with CB-3.









## **Livestock Scales**

Weighing livestock comes with a unique set of challenges and Rice Lake tackles them all. From single-animal scales to group weighing systems built for portability and more, Rice Lake offers both standard and custom solutions for Legal for Trade animal weighing.

## **Overhead Weighing**

Rice Lake Weighing Systems manufactures and distributes the Measurement Systems International (MSI) brand of industrial crane scales, tension dynamometers, RF wireless weighing and process-control solutions. MSI products have been popular for decades in industries like fishing, aerospace, nuclear, utility, material handling, manufacturing, petrochemical and metals.



# Load Cells and Weigh Modules

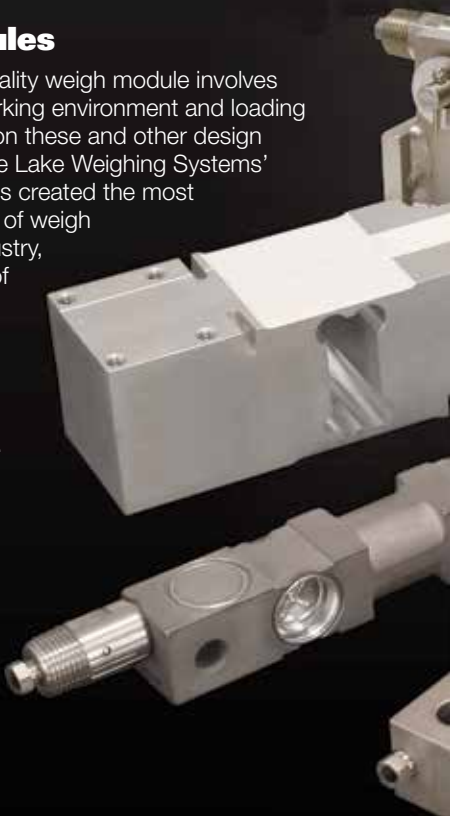
At the heart of any electronic scale design are load cells and weigh modules. Both have been given special attention at Rice Lake. These systems must provide accurate and reliable results while standing up to some of the most punishing conditions. No matter what you need to weigh, Rice Lake offers the right equipment for the job.

## Load Cells

With the largest selection of quality load cells available in stock, nobody offers faster, more reliable service. Whether it's a replacement load cell or one for a custom application, Rice Lake can get it to you right away. Choose from mild or stainless steel models, with a variety of sealing options to suit nearly any application. Our knowledgeable customer service representatives are on hand to answer any questions and help you select the best equipment for your needs.

## Weigh Modules

Selecting a high-quality weigh module involves factors such as working environment and loading conditions. Based on these and other design considerations, Rice Lake Weighing Systems' engineering staff has created the most comprehensive line of weigh modules in the industry, including waterproof models. Complete mounting kits are available to help simplify your selection and installation process.





# Belt Scales

Rice Lake Weighing Systems offers a broad range of belt scales to measure the actual flow on a conveyor belt or dose product. Six different models guarantee the possibility of one or more solutions for every application. Markets such as food, recycling, chemical, tobacco, steel, animal feed, compost production, sand and gravel quarries, and harbor logistics all frequently use belt scales.





# Onboard Weighing

Avoiding overload fines and improved safety and equipment performance are just a few of the benefits of onboard scales from Rice Lake. These systems install directly to the frame of most common straight trucks and tractor/trailers, providing drivers and fleet managers access to real-time weight data. Legal for Trade options are also available for drivers who buy and sell directly from their payload.





# Platform Scales

Rice Lake's platform scales offer a variety of products that are adaptable to a wide range of applications and environments for almost any conceivable capacity or requirement.

## RoughDeck® Floor Scales

With a superior structural design, specialized footing, and durable load cell and cable protection, Rice Lake's RoughDeck® floor scales stand up to the harshest environments and most demanding capacities.

Standard or customized, RoughDeck floor scales are available in low-profile stationary and portable versions. They offer component interchangeability and alternative construction materials to meet specific industrial requirements—from basic shipping and receiving to highly corrosive or washdown environments.

- General Purpose
- Mechanical
- Washdown
- Barrel
- Coil
- Portable
- Flexure





# Dimensioning

Rice Lake Weighing Systems offers a series of innovative dimensioning products to calculate the dimensions of boxes, flats, polybags, tubes and irregular shapes. From small businesses and mail counters to industrial operations and warehouses, Rice Lake dimensioning products ensure freight compliance in any environment and deter revenue-loss from miscalculated dimensions.





## Lift-Truck Scales

Speed up logistics operations by mounting a scale and indicator directly to your lift-truck. Rice Lake's Cargo Lift Scales have been engineered for the busiest and most demanding warehouse settings. The CLS series is compatible with Class II and III lift-trucks, and can be used with several different models of Rice Lake indicators.

# Checkweighers

Whether your application requires an automated high speed in-motion system or a simple static over/under scale, Rice Lake Weighing Systems is the industry leader in checkweighing technology. These scales are designed to excel in food and industrial processing, offering high-performance features with unmatched ease of use.

## **CW-90/CW-90X Static Weighing**

Two of the most durably constructed checkweighers on the market are Rice Lake's CW-90 and CW-90X. Both are NSF certified for food industry applications, and the CW-90X carries an additional IP69K rating, making it ideal for demanding washdown environments.

## **MotoWeigh™ In-Motion Weighing**

The MotoWeigh™ line of customized dynamic in-motion weighing equipment includes case weighers, checkweighers, conveyor scales, and in-process equipment all controlled by Rice Lake's 920i®. This incredibly robust system is made to order to best suit your needs. Complete your MotoWeigh system with options such as metal detection, to quickly detect ferrous, non-ferrous and stainless steel contaminants.

# Bench Scales

## **BenchMark™ Bench Scales**

For shipping, receiving or general material handling needs, bench scales from Rice Lake have been constructed for dependability inside and out. The rigid steel frame with support feet and platform is part of Rice Lake's standard signature design. A wide selection of models and capacities are available.







# Precision Solutions

Our state-of-the-art metrology labs provide an unprecedented 4-day turnaround time on calibration services. As a recognized leader in the field of precision measurement, we are the premier supplier of weights and weight-related laboratory equipment. For certified calibration weights, custom weights and kits and precision balances – our precision solutions team is ready to assist.

## Balances

Rice Lake delivers its own full line of high-resolution balances, including analytical and IP65 rated models—the only of their kind to feature time-saving tuning fork technology. Look to Rice Lake for an even wider selection of other brands and features. From microgram balances to compact pocket-style models, you will find the balance you need.

## Calibration Weights

Rice Lake manufactures and certifies its own complete line of high quality cast-iron and stainless steel calibration weights. Our ISO/IEC 17025 accredited metrology laboratories can assist with any accuracy classification you require, whether ASTM, NIST, or OIML. A helpful sales team is ready to assist you in finding the right weight and certification for your requirements.





# Counting Scales and Printers



## Counting Scales and Inventory Control

Counting scales are an essential tool for accurately counting large quantities of parts. Look to Rice Lake for a diverse selection of quality counting scales and a broad range of features and capabilities. WeighVault® software can also be used to help businesses harness a network of counting scales and improve inventory tracking.

## Printers

Rice Lake carries several models of direct thermal, thermal transfer, and dot matrix printers for labels, tape, or tickets. For the harshest environments, Rice Lake even offers the SURVIVOR® SST3™ Washdown Printer. We service all of the models we sell, and provide a full line of supplemental accessories and label stock.





# Health Scales

## Medical

Rice Lake sets a high standard for medical weighing equipment. From neonatal to bariatric weighing, digital and mechanical physician scales, home health, chair and wheelchair scales, our products are designed to meet the demands in a variety of health weighing markets. Rice Lake carries an accurate and dependable scale for your health and wellness needs.

## Fitness

Rice Lake's fitness scale line delivers complete weighing solutions, enriching both personal and professional health and wellbeing efforts. Fitness centers and sports clubs will benefit from Rice Lake's dietary scales and certified fitness scales that meet the highest standard in quality, performance and value.

# Retail

Rice Lake Retail Solutions, in partnership with Ishida®, provides the very best in service, selection and speed to the retail industry. Ishida's innovative weighing and packaging solutions with Rice Lake's renowned customer service standards make this retail partnership one of the strongest in the industry. With a comprehensive line of weighing equipment and 70 years in the scale business, Rice Lake continues its dedication to being the leader in advanced weighing solutions—from the front counter to the back room and everywhere retail solutions are found.





# Custom Machining

Once a manufacturer of our own mechanical scale parts, Rice Lake has grown to become a supplier of custom machining services for every industry imaginable. From reverse engineering and design to prototyping and even high volume production, Rice Lake has the capacity to meet almost any custom requirement.

Send us your print or part and we'll quote it for you right away. With so many different capabilities under one roof, Rice Lake's prices are very competitive. And our service and delivery can't be beat. Find out more at [www.rl-cm.com](http://www.rl-cm.com).

Capabilities include:

- Complete machining capabilities — milling, turning and grinding
- MIG and TIG welding
- Laser and plasma cutting
- Press brake
- Hardware press
- Phosphatizing
- Glass bead room
- Painting and powder coating
- Plating (clear and yellow zinc)
- Heat treating
- Tumbling
- Inspection services