



QUICK  
REFERENCE  
PRODUCT  
GUIDE





## FLOOR SCALES

RoughDeck™ floor scales are designed from the bottom up to perform year after year in the most rugged industrial environments. With eight standard models built specifically for a variety of tough applications including general use scales, sanitary designed scales and portable scales, there's a RoughDeck ready to work for you.

- 500 lb to 30,000 lb capacities
- Deck sizes ranging from 2' x 2' to 8' x 10'
- Exclusive super-duty underdeck design
- Compatible with all Rice Lake HMI instrumentation
- Available with access ramps and pit frames
- Completely customizable to meet your unique needs



## LOAD CELLS & MOUNTS

With over 30,000 quality load cells and mounts available in stock, nobody offers faster, more reliable service. From small tension sensors and load cells to 1,000,000 lb capacity truck scale and tank weighing assemblies, we've got a solution to fit any need. Our knowledgeable customer service representatives will answer your questions and help you select the best load cell for your unique application.

- The largest selection in the world
- User-friendly Load Cell Guide contains complete specifications, rated capacities and dimensional drawings

## TRUCK & RAILROAD SCALES

Rice Lake Weighing Systems' SURVIVOR® truck scales are known throughout the industry as "The Toughest Scales on Earth." Designed to provide reliable performance under the most demanding conditions, SURVIVOR truck scales are built with more structural steel, a superior support structure and innovative design features that provide consistent accuracy, less downtime and longer scale life.

- Best built, longest lasting scales in the industry
- Above ground, pit and portable models
- Steel and concrete decks
- Up to 10-year weighbridge guarantee
- Custom-built to exact specifications for new or retro-fit installations
- Fast, easy installation



## INTELLIGENT SOLUTIONS



### DIGITAL DIAGNOSTIC JUNCTION BOX

Featuring the latest analog to digital technology and a non-proprietary interface, iQUBE™ is ideal for new or retrofit applications. Combining load cell matching and scale calibration, iQUBE provides diagnostic information for load cells, weighing errors and system functionality. iQUBE is a progressive, networked solution for any multi-cell scale system.



### PC-BASED HMI FOR iQUBE



VIRTUi™ provides the functionality of a basic weight indicator. This PC-based solution is NTEP-approved and enables users to monitor cell diagnostics, set next calibration alerts, configure gross/net print formats as well as remotely view load cell status via a web browser.

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



Rice Lake Weighing Systems' line of instrumentation/HMI (human machine interface) excels in any environment. From hazardous areas to batching applications, to the most sensitive laboratory setting, every Rice Lake instrument is designed to provide accurate weight data with power, speed and rugged durability.

- Customized operator prompts and extra-bright displays
- NEMA 4X/IP66 enclosures
- Intrinsically safe models
- Allen-Bradley® PLC integration, DeviceNet™, Profibus™ DP, Ethernet connectivity
- Analog inputs and thermocouple
- Analog out — 0 - 20mA or 0 - 10V
- Configurable setpoints, checkweighing and counting features
- Advanced RATTLETRAP® digital filtering and vibration control
- Programmable printer outputs to customize labels
- Programmable functionality and database memory
- Ultra-bright remote displays with messaging capabilities



#### CONTROLLERS

Rice Lake Weighing Systems' batch and process controllers offer virtually unlimited hardware and software configuration capabilities.

- Ingredient and formulation batching and blending
- Unattended weigh out terminals
- Flow control
- Concrete and asphalt batch plant controls
- Real-time data analysis, serial networks and custom interfacing



Save time and money by shopping one source for all of your printer and media needs. Rice Lake Weighing Systems has it all – over 50 models of ticket, tape, thermal label, and RFID-compliant printers along with a full line of media and accessories.



#### BENCH SCALES

Rice Lake Weighing Systems' incredibly durable BenchMark™ series bench scales are designed to excel in shipping and receiving applications, food processing environments and even hostile chemical or washdown areas. The unparalleled design of this benchtop equipment provides true industrial solutions in demanding weighing applications.

- Bench scale sizes from 10" x 10" to 24" x 24"
- Capacities from 5lb to 1,000 lb
- Battery operation available for portability
- Interfaces with printers, scanners and PCs
- Hermetically sealed load cell options available
- Completely customizable to meet your unique needs

#### CHECKWEIGHERS

Whether your application requires an in-motion, high-speed, automated system or a static over/under checkweigher, Rice Lake Weighing Systems has your solution. Ideal for use in food and industrial processing, Rice Lake's checkweighers offer highly advanced performance features, while maintaining unmatched efficiency and ease of operation.

- In-motion system accommodates conveyors from 28" to 5'6" long at speeds up to 200' per minute
- Static checkweigher bases from 10" x 10" to 24" x 24" with 5lb to 1,000lb capacities
- Puncture-proof keypad and shock absorbing base



From simple price computing scales and point-of-sale systems to fully integrated wrappers, Rice Lake Retail provides a full line of solutions to meet any retail weighing need. In addition to our own retail product line, Rice Lake is the North American distributor for Ishida — a world-renowned manufacturer of innovative retail weighing products.



With a state-of-the-art metrology lab, an unprecedented 4-day turnaround time on weight purchases and calibration services, Rice Lake Weighing Systems is the recognized leader in the field of precision measurement.

As the premier supplier of precision test weights, mass standards and calibration services, all weights conform to NIST, ASTM, or OIML as appropriate. Our complete laboratory solutions include balances, containment hoods, anti-static devices, data collection tools to meet 21 CFR Part 11, and pipettes to complement our broad weights selection. We continually assess the laboratory marketplace to ensure that we have relationships with leading vendors. This gives us an array of product offerings combined with our highly trained customer service professionals to provide convenient, one stop shopping.



When accuracy counts, count on Rice Lake Weighing Systems' complete line of counting and coin counting scales. Portable, efficient and accurate, our counting scales are ideal for anywhere an exact piece or coin count is required. No matter what the application, Rice Lake's counting scales provide superior performance with unmatched accuracy.

- Flexible setpoints increase efficiency
- Counting resolution up to 1,000,000
- Battery operation available for portability
- Units available with internal direct thermal printer
- Integrated inventory management system for small and medium sized businesses

INTEGRATED SOLUTIONS

At Tennessee Scale Works, we strive to take weighing solutions to a new level. We continuously evaluate emerging technologies and partner with other leading manufacturers to offer our customers the most advanced, yet cost-effective solutions available for specialized applications. Combine this with Tennessee Scale Work's reputation for extraordinary customer service, and we know that we're providing you with a winning combination.



#### TRACEABILITY SOLUTIONS

With the global rise in regulatory scrutiny, increasing concerns on counterfeit goods and bioterrorism in the food chain, traceability systems are quickly emerging as a vital link in today's supply chain management.

Rice Lake's TRACER® systems offer modular, scalable solutions designed to maximize efficiencies while meeting the growing demand for compliance to quickly isolate potential issues in food and finished goods production and supply.



#### LIQUID FILLING SYSTEMS

Unique filling applications require specific filling equipment. Rice Lake's line of liquid filling stations for single drum, single container and pallet filling are driven by Rice Lake's powerful 920i HMI controller. Specifically designed as a non-proprietary solution, each filling station easily integrates into existing networks and communicates with peripheral equipment.



#### CONTROL SYSTEMS

Rice Lake Weighing Systems continues to partner with globally-recognized organizations. In partnership with an international leader in the bulk construction materials industry, Rice Lake has helped create a complete asphalt batch plant solution that allows users to automatically set up, manage and monitor asphalt plant operations.



#### DIMENSIONING SYSTEMS

Dimensioning and weighing devices gather dimensional information on packages to allow shippers and carriers to manifest freight based on volume and weight. These legal-for-trade solutions facilitate storage location planning, order picking, re-pack, shipment planning, and freight manifesting.



## **SALES • SERVICE RENTALS • INSTALLATION**

For over 62 years, Tennessee Scale Works, Inc. has provided quality industrial scale sales and service to a variety of customers in the mid-South. Our expertise extends to all types of industrial scales, ranging from analytical balances to railroad track scales.

In addition to new equipment, Tennessee Scale Works, Inc. can provide your company with numerous services, including scale repair, calibration, certification, foundation construction, turnkey installation, inventory rental scales and used equipment. Tennessee Scale Works, Inc. is accredited by the American Association of Laboratory Accreditation (A2LA) to ISO-17025 standards and can provide the proper scale calibration and documentation to help you maintain your accreditation requirements.

We also offer custom solutions for your weighing applications including selection of the appropriate weighing equipment, peripherals, software and system installation. Our software engineers can develop a custom solution to meet your exact application requirements.

Let Tennessee Scale Works, Inc. help you with your next weighing project. Visit our web site at [www.tnscale.com](http://www.tnscale.com) for complete information on our products and services.



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