

A high-speed photograph of water splashing, creating intricate patterns and droplets. The water is captured in mid-air, with some droplets appearing as bright highlights against a lighter background. The overall effect is one of dynamic movement and freshness.

# Washdown Solutions

**Industrial-strength  
equipment for the wettest,  
most demanding jobs**

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

To be the best by every measure<sup>®</sup>

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

# MotoWeigh®

## In-Motion Weighing Solutions

MotoWeigh in-motion weighing systems offer proven features and options to adapt to any enterprise. Built with food grade stainless steel, the rugged and dependable MotoWeigh line was created for the most demanding industrial jobs. Wet foods processing and produce packaging plants can look forward to many years of solid, trouble-free operation from MotoWeigh equipment. To allow critical data collection, all MotoWeigh systems can be networked to a PC via serial, Ethernet, Wireless LAN (Wi-Fi) or a variety of PLC protocols. Supervisors will enjoy the freedom to remotely monitor scale data in real time. MotoWeigh systems come standard with Intralox® belting (excluding monorail scales). And for industry compliance, MotoWeigh scales can be certified to NTEP, Measurement Canada, and UL.

## Checkweighers

MotoWeigh checkweighers deliver fast, accurate and reliable verification of targeted weight data. Consolidate production space with a multi-lane version and control up to four lanes of operation. MotoWeigh checkweighers also accommodate a large assortment of options. Choose from reject methods such as pneumatic pushers, drop-down conveyors, arm diverters, and conveyor stops. Metal detection and bar code verification are also available.



*Driven by Rice Lake's intelligent 920i® HMI controller, all MotoWeigh systems deliver real-time statistical data and reports. Our STAT-PAK PC software allows wireless Ethernet access to production rates, piece count, accept count, reject count, accumulated weight and standard deviation.*

## Case Weighers

Even the bulkiest product can be processed with ease using MotoWeigh case weighing technology. These systems accommodate capacities as high as 200 pounds with NTEP and Measurement Canada certification up to 2,000 divisions. Non Legal-for-Trade systems are available with resolution as precise as 0.0001 gram and speeds up to 600 units per minute. Fast and accurate, MotoWeigh case weighers enhance any fast-paced production line and offer the convenience of providing statistics for every unit weighed.



## Conveyors

Easily customized to any configuration, MotoWeigh conveyors are preferred for their straightforward bolt-together design and easy access to all direct contact surfaces. These conveyors utilize a special cleaning system that allows access for cleaning even while in motion. Standard lengths of 1, 2, 3, 5, and 10 feet allow you to easily change conveyor lengths without replacing existing equipment. Custom lengths and curved sections are also available to build a conveyor system as unique as your process.



## Flow Scales

MotoWeigh flow scales assist in accurately providing weight totals of bulk or loose product. Essential for determining yield when product is modified or processed on a line, a typical flow scale application involves weighing a whole product, trimming or processing the product and then sending it across the flow scale for a final weight. Yield is then determined by subtracting the finished product weight from the whole product weight. Rates and statistics can be determined and reported.



## Monorail Scales

Rice Lake's line of food grade monorail scales includes both permanent and portable models with capacities from 750 to 4,000 pounds. Live rail lengths range from 18 to 60 inches on the heavy capacity model and eight inches on the portable and permanent models. Each system features a washable data-collection console that transmits weight data to printers, computers or ERP systems. Displays are available in either LCD or LED for viewing in any environment.



## Weigh Price Labeling/Printing Systems

Use MotoWeigh WPL systems as stand-alone units with existing in-motion equipment, or integrate directly into your conveyor scale system. Weigh, price and label a wide variety of packages, boxes and bags using single or multiple applicators. MotoWeigh WPL systems come standard with the Datamax® print engine, but alternative print-engine options from SATO® and Zebra® are also available. The WPL will have your process at peak performance with speeds at up to 60 labels per minute on each printer. For easier mobility during cleaning, our printer portability option is the perfect choice.



## Sorting/Classifying/Grading Systems

MotoWeigh classifiers, graders and sorters provide up to 12 target bins or lanes per production line and are ideal for either loose or packaged wet and dry foods. Choose from a variety of diverters, bins, hoppers, trays, baskets or take-away conveyors for each product range. A comprehensive statistical package provides real-time information for your PC and shift/batch reports detailing the number of items in each range. Custom reports are available and can be modified at any time as needs change.





# CW-90X

## CW-90X Checkweigher

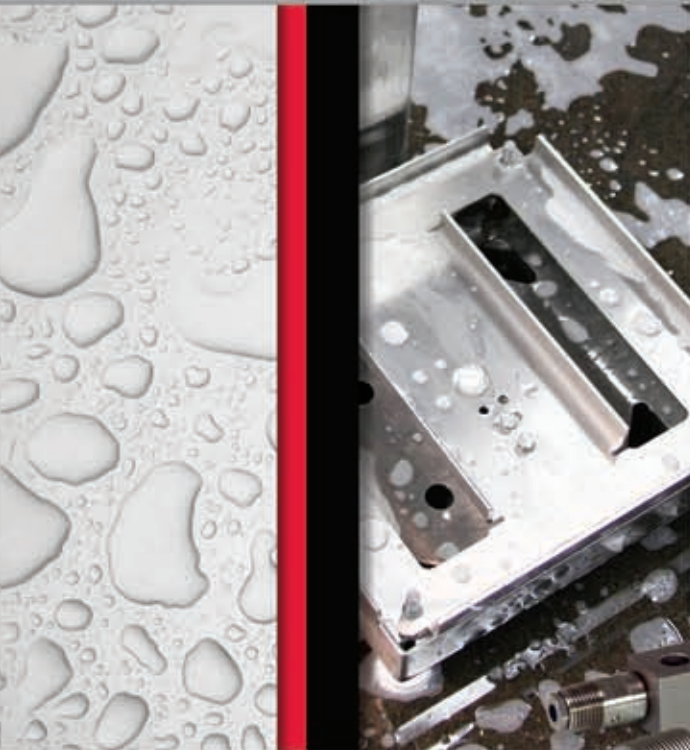
You won't find a more robust bench top checkweigher than Rice Lake's CW-90X. This design boasts an IP69K rating for both the load cell and indicator. The CW-90X is constructed of 304 stainless steel for the ultimate in corrosion resistance and strength. A super-tough piezo keypad withstands sharp knife point contacts, and the standard GORE® membrane vent adds even more moisture protection. Match the practical and easy-to-use features of Rice Lake's CW-90X with any washdown or food industry application.



# SST3™

## SURVIVOR® SST3™ Printer

Rice Lake's IP69K rated SURVIVOR® SST3™ Label Printer was designed with the harshest washdown applications in mind. The SST3 is housed in an armor-like barrier of 304 stainless steel and features an advanced gasket design. Print high-quality labels or tags at speeds up to 10 inches per second. Optional wireless capabilities allow for placement in nearly any location. The most advanced technology and capabilities make the SST3 ideal for today's food and chemical processing needs.



## Load Cells and Mounts

Rice Lake offers the most complete selection of load cells and mounts in the industry, including models specifically for washdown settings. Our local scale dealers and in-house application specialists can assist in selecting the best equipment for your needs whether legal-for-trade, washdown, high temperature, or corrosive.



## Benchmark™ HE Bench Scales

The Benchmark™ HE Series offers the look of a standard bench scale model in a washdown package. At the heart of the HE Series is an IP69K hermetically sealed stainless steel load cell. A specially designed base isolates the cell from any potential shock or overload. This durable 304 stainless steel design is enhanced with non-skid support feet and a leveling bubble. Available in standard capacities up to 1000 pounds and sizes as large as 24 x 24 inches.



## Instrumentation & Process Control

From simple weight indicators and remote displays to complex batching and process control, Rice Lake has a complete offering of stainless steel and NEMA 4X equipment to meet the demands of many industrial applications. For superior performance and durability, pair your bench, tank or floor scale with the any of these Rice Lake models.



# **RoughDeck®**

## FLOOR SCALES

### **RoughDeck Series**

Known as the toughest, most accurate floor scale in existence, we've taken the legendary RoughDeck design and customized it for food, chemical and other frequent washdown applications. Rice Lake carries four variations of the RoughDeck in durable 304 stainless steel construction. Each model comes with four IP67 welded-seal load cells and a remotely mounted TuffSeal™ JB4SS stainless steel NEMA 4X junction box. Sensitive electronics remain protected even as the scale is aggressively washed. Each of these durable and easy-to-clean designs comes standard in capacities of 2,000 to 10,000 pounds. Custom sizes, and pit frames and ramps are available.



### **AutoLift HE**

Designed for pit-type installations, the AutoLift hostile environment scale has an added lifting feature. Powerful pneumatic arms lift the entire smooth-top deck and frame for thorough cleaning underneath. The design includes a manual drop-in bar to ensure safety.

### **RoughDeck QC**

RoughDeck QC is an ideal solution for efficiency and safety when cleaning cycles are tight. This model offers a convenient lifting feature, using extra strength gas-shock cylinders. The smooth-top plate easily lifts away from the frame, then closes gently and locks in place. For added safety and convenience, a manual support bar swings into action during extended underdeck cleaning.



### **RoughDeck HE**

The RoughDeck HE is a hostile environment floor scale designed specifically for corrosion resistance and long life. This simple, stationary deck with a smooth stainless steel top plate provides classic RoughDeck durability.



### **RoughDeck SD**

The sanitary deck model offers a smooth and sanitary polyethylene deck that can be manually raised for easy cleaning underneath. The RoughDeck SD has all of the durability of the RoughDeck design in a simple, straightforward, and washdown package.



Diamond treadplate optional for HE and QC models.



## TS Series Balance

Featuring an attractive polished stainless steel finish, the IP65 rated TS Series tuning fork balance withstands harsh environments, dust, mist, and splashes.

The TS design is exceptionally easy to clean while the RS-232 quickly transfers weight data from the production line to a PC or printer. It is available in 620 gram, 6200 gram and 8200 gram capacities, and has a battery option when portability is required.



## Test Weights

For calibration of your scale equipment, Rice Lake manufactures and certifies cast-iron and stainless steel test weights to keep your scales operating in a legal-for-trade manner. Our NVLAP accredited lab can assist with any certificate you require, within ASTM, NIST, or OIML specifications. Weights available range from 0.5 milligrams to 3,000 pounds.



## The Rice Lake Difference

We know that preventing downtime is your first priority. It's ours too, followed by giving your business the kind of tools that outperform, outsmart, and outlast any other equipment on the market.

Rice Lake products are solidly engineered and tested to limits they may never need to experience. We know what our equipment is capable of, and so will you.

### Largest Network of Service Providers

More dealers carry Rice Lake because we're the brand that more dealers trust. Across the country and around the world, find a Rice Lake sales and service provider near you.

### 24/7 Customer Support

We're available 'round the clock because we understand how business works. When it can't wait until morning, our after-hours emergency staff is there to return your call.

### Same Day Shipping

Our tremendous inventory means that if you need it now, we can get it out the door. We process and ship almost all orders the same business day they're received.

### Custom Solutions

The Rice Lake manufacturing team is equipped with the tools and experience to customize nearly any product to your exact needs. Just ask. Our specials group is standing by to quote your special application.



## Going Beyond Satisfaction

See for yourself how Rice Lake has earned a loyal following and an unrivaled reputation for first-rate products and customer support. Visit [www.ricelake.com/washdown](http://www.ricelake.com/washdown).

## IP Ratings

IP ratings are used to identify the level of protection against the ingress of solid objects, dust, and water into electrical enclosures. The first number following IP identifies the level of protection against solid objects including dust. The second number is the level of protection against various forms of moisture. For the majority of food and chemical processing applications, industry experts advise maintaining either an IP69K or IP66 rating.

**IP64** – dust tight and protects against splashed water.

**IP65** – dust tight and protects against low-pressure water projected from any direction.

**IP66** – dust tight and protects against high-pressure water projected from any direction.

**IP67** – dust tight and protects against water while submerged at 1 m depth.

**IP68** – dust tight and protects against water while submerged at 15 m depth.

**IP69K** – dust tight and withstands high-pressure, high-temperature water.

*NEMA 4 and 4X are equivalent to IP66*

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Zebra® is a registered trademark of ZIH Corp.  
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