

MotoWeigh™

IN-MOTION
WEIGHING EQUIPMENT



RICE LAKE®
WEIGHING SYSTEMS

To be the best by every measure™

www.ricelake.com

MotoWeigh™

The smoothest through process

Custom is Standard

We offer a wide variety of sizes, speeds and peripheral components that can be added at any time. Standard MotoWeigh components can be configured to suit virtually any facility or process, and then modified to accommodate future changes.

A MotoWeigh solution reduces labor, improves accuracy and increases throughput. The MotoWeigh line is more durable because it is made better. There are no proprietary components and the MotoWeigh line is exceptionally easy to clean, even while in motion.

Rice Lake's MotoWeigh™ line of dynamic weighing equipment includes case weighers, checkweighers, conveyor scales and in-process equipment in aluminum or stainless steel, for either dry or washdown environments. And, we have all the accessories and custom design services for any application.

MotoWeigh checkweighers are ideal for checkweighing out-of-tolerance products, locating missing components and sorting by weight. These dynamic in-motion checkweighers are open-architected, making serviceability and spare part acquisition uncomplicated. The proven design provides capacities from 10 pounds to 200 pounds and NTEP Certified readability from 0.005 pounds to 0.1 pounds. Even finer increments are available in non-NTEP models.

920i® Controller

Rice Lake Weighing Systems brings you robust in-motion checkweighers and case weighers driven by the powerful 920i HMI controller. High performance checkweighers are open-architected solutions that easily configure and successfully integrate into a number of applications including logistics and distribution, consumer packaged goods, material handling and food processing.

Driven by Rice Lake's intelligent 920i HMI controller, all MotoWeigh checkweighers and case weighers deliver real-time statistical data through network options including Ethernet TCP/IP, Remote I/O, DeviceNet™, ControlNet™, EtherNet/IP, ProfiBus®, Serial RS-232 and RS-485. There are also many wireless communication options. The robust processing power and expanded networking capabilities enable the 920i to easily communicate with printers, PCs, scanners, metal detectors and other peripheral equipment.



Case Weigher

The MotoWeigh case weigher is an easy-to-operate, cost-effective solution for your product inspection needs. With its heavy duty construction and rugged durability, this case weigher will excel in virtually every environment. The MotoWeigh case weigher is the ideal choice for applications that handle packages in a variety of sizes and weights. Its flexibility allows you to weigh packages up to 200 pounds with precision and accuracy.

Dynamic In-Motion Weighing

t, fastest, easiest route to move product ssing and packaging lines.



Weigh Bed

The live scale platform features an Ultra High Molecular Weight, or UHMW plastic weigh bed. This material is tough enough for washdown applications, minimizes belt-induced vibration and is durable enough for many years of service.



Easily Adjustable Photo Eyes

Sensor position is key to achieving consistent and accurate weighments. MotoWeigh systems provide a full-length adjustable sensor positioning system that reduces initial set-up time and also makes changes to the weighing system very easy when new products or containers are sent across the scale system for the first time.



Easy-Clean Conveyor Design

MotoWeigh conveyors feature a unique in-motion cleaning system that raises the belt while in motion to provide access to the inside of the conveyor during the cleaning process. Internal spray nozzles are also available and can easily be connected to a water supply for keeping end pulleys and rollers clean.



Delrin Wear Blocks

Our drive rollers are supported by Teflon® Impregnated Delrin Wear Blocks that provide the free rotation characteristics of mechanical bearings without the messy lubrication or periodic replacement requirements.



Spider Assembly

At the heart of every MotoWeigh system is a tried-and-true load introduction system that transfers dynamic package weights to a load sensing element. The framework is robust and rigid, so weights placed at any point on the live scale surface are captured with legal-for-trade accuracy. In fact, both our case weighers and checkweighers are certified for commercial use in the United States.



Self Centering Drive Cogs

Our simple cog belt drive keeps the belting on both scales and conveyors perfectly aligned, and minimizes wear points resulting in longer cog and belt life. MotoWeigh scale designs incorporate a single rotating conveyor shaft. This significantly cuts the number of moving parts while minimizing harmful vibration that can affect weighing accuracy.



MotoWeigh

IN-MOTION WEIGHING EQUIPMENT

Standard Features

- Speed: up to 200 products per minute
- Single load cell design
- Solid UHMW (ultra high molecular weight) weigh bed
- Teflon® impregnated Delrin wear blocks
- Single rotating conveyor shaft
- Cog belt drive
- Full-length adjustable sensor positioning
- Highly rigid frame

920i Features

- Customized prompts guide operators through functions
- Real-time graphic representation of inventory
- Graphic icons and messages show function status
- Convenient navigation pad increases efficiency and accuracy
- Large 4.6 in W x 3.4 in H 320 x 240 pixel back-lit LCD graphical display
- Front panel or serial configuration/calibration
- NEMA 4X/IP66 stainless steel enclosure
- Four bidirectional communication ports

Options/Accessories

- Rejection systems
- Custom programs
- UL 508 / 508A Certification
- Stainless steel shrouds
- Guide rails on infeed
- Metal detection
- 3 or 5 zone stack light bars
- Portability packages
- Remote display
- Audible reject alarm
- Draft shields
- Emergency stops
- Bar code scanners
- Stainless steel food grade, stainless steel non-food grade and aluminum construction
- Configurations with one to four conveyor beds
- Flat or Intralox® washdown belts

Intralox® is a registered trademark of Laitram, L.L.C.

Approvals



Driven by Rice Lake's intelligent 920i HMI controller, all MotoWeigh checkweighers and caseweighers deliver real-time statistical data.

Your Rice Lake Weighing Systems distributor is:

RICE LAKE
WEIGHING SYSTEMS

To be the best by every measure™



230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

© 2009 Rice Lake Weighing Systems PN 109358 3/09
Specifications subject to change without notice