

# Providing Accuracy and Durability

## Weighing Solutions for Every Industry

*Established in 1946 as a repair shop for scales, mainly from the prevalent dairy industries, Rice Lake extended its portfolio with weighing equipment, like belt scales. Today they offer all kinds of scales all over the world.*

JAAP OOSTERLEE \*



Pictures: © Rice Lake Weighing Systems

Rice Lake Weighing Systems started as a service company in 1946, repairing scales for Wisconsin's famous dairy industry. During World War II, they began supplying new and refurbished pivots and bearings, and by the 1970s, built an advanced metrology lab to become a major supplier of test weights and recalibration services. The next addition to Rice Lake's

product offering was electronic parts and components and soon "Service, Selection and Speed" became Rice Lake's motto to live by. The entire weighing industry welcomed that commitment and soon depended on Rice Lake for critical parts and components as well as 24/7 technical assistance.

Today, Rice Lake is at the forefront of the evolution in weight-based measurement and automated process control by being a key systems and solutions provider of static and dynamic weighing throughout the world. Rice Lake's corpo-

rate headquarters, metrology laboratory and main manufacturing plant remain in Rice Lake, Wisconsin, with more than 500 employees. Additional manufacturing facilities are located in Alabama, Connecticut, Nevada and Washington. Internationally, Rice Lake's presence is represented by manufacturing facilities in Brazil, India, the Netherlands and Mexico. Rice Lake has a unique global distribution and service network including more than 2000 distributors in 75 countries with trained technicians and the finest factory support.

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## Off-the-shelf Control – Ready, Set, Weigh

Pre-engineered and pre-programmed 920i FlexWeigh Systems are Rice Lake’s turnkey answer to many of manufacturing’s most commonly used weighing processes, providing clearly defined, immediate solutions for almost any operation.

These systems combine the power and versatility of the 920i interface with the simplicity and strength of the Flexweigh control panel. Each 920i Flexweigh model is a standard design in its own right, factory tested and programmed for the task at hand. Stainless steel enclosures and rugged, customizable operation switches guarantee industrial strength and dependability, day after day, year after year.

Once you’ve selected the right model for the job, the 920i Flexweigh system is shipped complete and ready to weigh, seamlessly transitioning almost any measurement task into a fully automated weighing process.

## Weigh in Motion

Rice Lake Weighing Systems has six different models of Master belt scale frames, delivering one or more solutions for almost any weighing application, from the mining, food, recycling or chemical industry to steel, animal feed and compost production.

A belt scale consists of a weigh frame with one or more load cells, a speed pickup and a weigh processor, which integrates the two signals (kilogram per meter and meter per second) into a value of kilogram or tons per hour. The selection of



920i Flexweigh Controller

the weigh frame and speed pickup is determined by the requested accuracy, variables such as belt scale speed and inclination of the belt, the structure of the transport belt and external circumstances like moisture and aggressive environment. Optimize your belt scale system by choosing

the right indicator for your application. Some factors to consider when selecting an indicator are:

- **Functionality**  
Are you simply measuring the product quantity or do you need to control the dosing of the product as well?
- **Communication**  
Are you connecting to a PLC, PC or other device?
- **Environment**  
What sort of elements will this indicator be exposed to? Dust, wind, rain, snow, and heat are all environmental factors when considering the right indicator.
- **Miscellaneous factors**  
Are you seeking an MID approval or ATEX classification?  
When choosing a belt scale, the company’s experienced and professional industry experts can help you choose the right one for your specific application. Rice Lake delivers a full line of advanced weighing equipment, supplies and parts, plus the capability to design custom equipment and integrated systems. Your process and your business are guaranteed to be serviced and supported by dedicated scale experts in the industry, 24 hours a day, 7 days a week, 365 days a year. ■

