



Overhead Weighing

## What are Overhead Weighing Solutions?

Overhead weighing solutions are designed to meet or exceed local and federal safety regulations, ensuring safe workplace operations. These overhead weighing solutions can also offer ways to easily incorporate crane overload protection into a range of applications, including port cargo handling, energy production, agriculture and aviation.

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### Crane Scales

Crane scales can handle various load capacities—light, medium and heavy. Light-capacity crane scales are commonly used for indoor applications such as warehouses. Medium- to heavy-capacity crane scales are found in shipping and receiving, bulk material handling and metal foundry applications. Additionally, crane scales can also meet the requirements for hazardous environments and marine applications, such as commercial fishing operations.

### Dynamometers

Sometimes called tension link dynamometers or dyna links, these overhead weighing solutions can be used to measure either vertical or horizontal tension. Dynamometers are rugged yet lightweight, making them ideal for rigging, load tests, crane and elevator certifications, or other straight-line lifting

applications. Dynamometers work best in applications where they are removed when measurements are complete, such as load tests on cranes or elevator certifications



## Indicators, Displays and Wireless Networks

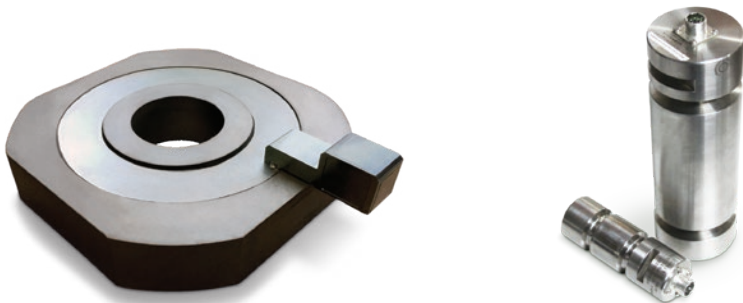
Software, indicators and remote displays add an extra layer of safety, efficiency and control to overhead weighing. Handheld or wall-mounted indicators increase process control with real-time information and easy programming for overload warnings. Remote displays, also known as repeaters or scoreboards, ensure weight can be visible in several locations and at safe distances. A wireless network allows multiple products to be connected in one location.

## Load Cells and Integrated Systems

Integrated systems are overhead weighing solutions that are seamlessly incorporated into existing equipment by replacing load-bearing components. A shear web load cell or a clevis load pin sensor can be added to a crane or pulley system, turning it into a force monitoring system. A clamp-on load cell is a type of integrated solution that measures wire rope tension for overhead cranes and hoists. Tension links statically weigh loads by measuring the force of the lifted items.

## Rice Lake's Overhead Weighing Solutions

Rice Lake Weighing Systems offers a variety of overhead weighing solutions to meet or exceed safety regulations. Rice Lake's extensive line of MSI products delivers high-quality solutions for all types of overhead weighing applications. These solutions include integrated systems, weight indicators, software systems, dynamometers and crane scales. Customizable solutions are available to ensure safety for even the most specialized applications.



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