

Integrated Weighing Systems Improve Material Handling Efficiency

The benefits of Integrated Weighing Systems in material handling applications are significant. Users save time, space and money while increasing operational productivity, reducing vendor discrepancies and improving physical inventory management.

Designed specifically for the application, Integrated Weighing Systems provide fast and accurate weights with each lift, enable totaling of material weights without the use of static scales, eliminate redundant material handling and increase process throughput (minimizing potential for material damage). Wireless or hardwired communications allow seamless integration with vital process information systems for optimum process control.



MSI CellScale technology used on this steel coil grab application.

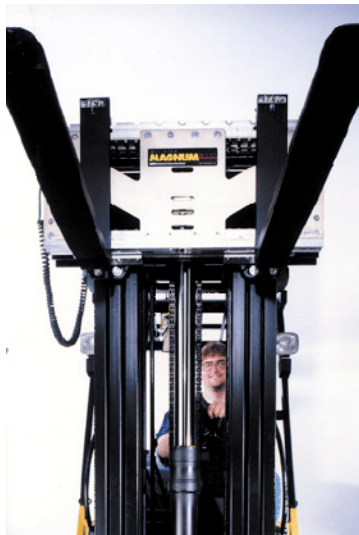
Wireless Weighing and Process Control

With its CellScale wireless Network Solutions, Measurement Systems International (MSI) has taken a modular approach toward the development of its Integrated Weighing Systems for industry. CellScale technology from MSI provides an efficient means to monitor and control multiple sensors with real time communications to plant information systems through a secure wireless network.

The MSI-9000 CellScale combines advanced Analog-to-Digital signal processing and superior wireless RF technologies into a single, industrial grade, NEMA / IP rated enclosure. With compact packaging and flexible mounting configurations, the MSI-9000 CellScale and its accessory products easily integrate with analog sensing applications. Enhanced data acquisition, full-featured programmable signal processing, sophisticated data logging, and complete display of multiple sensors can be initiated and managed independently.

Lift Truck Scales

MSI also manufactures lift truck scales for tough applications. The MSI-3700 "Magnum Plus" is an innovative break from conventional lift truck scales. While other models rely on sheer bulk for strength, the Magnum Plus incorporates advanced design concepts to provide a variety of product advantages. Although you will always lose some lifting capacity when adding an attachment to a lift truck, the loss can be minimized. Magnum Plus reduces the loss because it addresses the cause: load center shift. The solution is an attachment that is lighter and narrower. At 165 lbs., Magnum Plus is an extremely light lift truck scale. Its design, which utilizes materials with high strength-to-weight ratios, reduces mass and bulk without compromising strength. The Magnum Plus also features a single load cell system. Unlike multiple load cell designs, this system is easy to calibrate and maintain. In addition, it eliminates the problems associated with multiple load cells, which often must be adjusted painstakingly.



The MSI-3700 Magnum Plus lift truck scale allows weighing on-the-fly.

About the Company

Measurement Systems International manufactures and markets integrated system solutions for industrial weighing and process control. Their comprehensive line of quality industrial electronic scales, tension dynamometers, load monitoring instrumentation, RF wireless data acquisition and signal processing systems are used throughout the world in numerous industries such as aerospace, agriculture, aluminum, forestry, marine, medical, mining, nuclear, petrochemical,



With its cellular weighing technology and CellScale family of products, MSI has taken a modular approach toward the development of its Integrated Weighing Systems for Industry.

transportation, utility, iron and steel.

In addition, MSI features the world's most comprehensive line of industrial crane scales for all types and capacity cranes and hoists. Including torque resistant designs for use with fixed hooks and powered rotators, and high temperature designs for over ladle use. For low and no headroom applications, MSI provides integrated in-block and sheave pin weighing solutions. All systems feature secure wireless communications providing a real-time data interface with plant information systems and remote displays – ideally suited for process control, safety monitoring and weight related data collection.

CellScale(R) is a registered trademark of Measurement Systems International, Inc.

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