

# Dynamic Weighbridge Scale Systems

Automated Axle, Gross Vehicle & Cargo Weights



## ***Obtain Weights Without Stopping the Vehicle***

Intercomp scales allow you to monitor vehicle and container weights by weighing in motion, saving valuable time at the gate. Weigh-In-Motion scales capture vehicle and container weights without having to stop on scales, minimizing traffic disruption and keeping the flow of traffic moving into and out of the facility.

Intercomp dynamic weighbridge technology is integrated into automated gate systems, supplying vehicle weights at the entry and exit points of ports, rail & freight yards by using in-ground Weigh-In-Motion (WIM) scales or sensors. These scales remove a source of bottlenecks for gate operators and roadway freight companies by replacing large, in-ground, stationary static scales and integrating weight information into existing vehicle transactions.

# Dynamic Weighbridge Scale Systems

ISO 9001:2015 Registered

Increased Efficiency | Durable Technology | Integrated Data Output

## Automate Weight Data Collection

Dynamic weighbridges can be integrated into automated vehicle processing systems in Marine Terminals, Ports of Entry, Intermodal Terminals, and Distribution Centers. Other technology such as cameras and gate systems speed up inbound and outbound vehicle transactions, but bottlenecks caused by stopping on static scales disrupt this efficiency.

## Weigh-In-Motion Technology

- **AUTOMATE WEIGHTS WITH GATE TRANSACTIONS**  
Reduce Errors in Data Entry, while Increasing Traffic Flow Through Gate
- **VERIFY DECLARED WEIGHTS**  
Obtain or Confirm Verified Gross Mass (VGM) for Weight Compliance & Load Planning
- **IDENTIFY OVERLOADED VEHICLES**  
Rapid Screening at Entry or Exit for Overweight Axles, Cargo, or Gross Vehicle Weights
- **PROCESS VEHICLES RAPIDLY**  
Eliminate Congestion, Idling, and Yard Time Caused by Static Scales

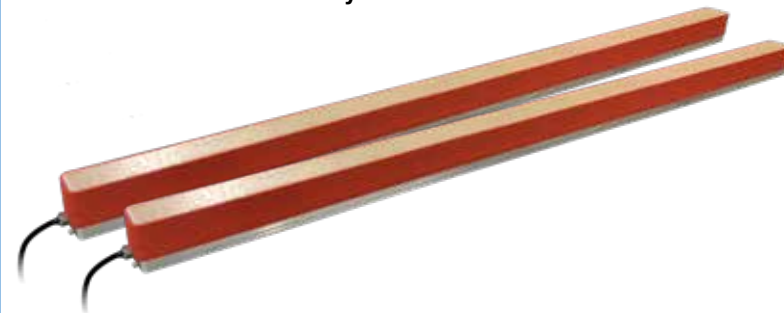
## Certified Scales

Having third party certification for scales has benefits ranging from increased confidence in the scales to meeting legal requirements. Intercomp Strip Sensors and LS-WIM™ Axle Scales are both OIML R 134 certified, for Weigh-In-Motion use. When conducting overseas shipping, this allows facilities to be compliant with SOLAS regulations for Verified Gross Mass (VGM.)



## WIM Strip Sensors

- Weigh at Low and High Speeds
- No Drains Required for Sensors
- Minimal Maintenance - Low Cost of Ownership
- Built in Redundancy



Ease of Installation with 3" (75 mm) Wide Channels in Pavement

## LS-WIM™ Axle Scales

- Weigh at Low Speeds
- Wide Platform for Oversized Vehicles
- Minimal Civil Works vs. Static Scales
- Simplified Maintenance - Low Cost of Ownership



High-Quality Frame, Deck Thickness & Scale Construction

## Data Output

Intercomp scales and sensors provide data to identify overweight wheel, axle, vehicle, and cargo for inbound and outbound traffic. The scale output is converted in electronics for use in Intercomp software, or is output in real time for processing. Weight data is incorporated into existing vehicle transactions and may be integrated into gate or terminal management systems.

## Acquiring Container Weights



### GROSS VEHICLE WEIGHT



### (SUBTRACT: CHASSIS & TRAILER WEIGHT)



### RESULTS: CONTAINER & CARGO WEIGHT

Intercomp solutions are flexible and can supply the scale and sensor components, or partner with local contractors or gate suppliers to coordinate installation, civil works, and system integration.

## DYNAMIC WEIGHBRIDGE SCALE SYSTEMS



**For Installation and Support of Intercomp Scales and Sensors, Intercomp Maintains Offices in the US, UK, Chile & Singapore, as well as a Global Network of Distributors**



## Two Scale Options for Weigh-In-Motion Systems



### Weigh-In-Motion Strip Sensors

Installation of Strip Sensors is straightforward and completed in a single day per lane. Minimal civil works and no drains are required. Installed within 3 in (75 mm) wide channels cut into either asphalt or concrete, the sensor delivers high performance at a low cost of ownership, with minimal time and labor associated with installation and maintenance.



### Weigh-In-Motion Axle Scales

Installation of LS-WIM Scales requires less civil works than static truck scales. With a deck thickness of 8.6 in (220 mm) and a steel frame depth of 12.5 in (315 mm) or less, the durable scale is available up to 100,000 lb (50,000 kg). Available from 3–3.7 m wide, Intercomp scales can weigh even oversized loads. Scale load cells are mounted in the frame, allowing for safer and quicker scale maintenance.

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