

Bulk Material Weighing

Industrial Weighing and Measuring



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News

Maintain Productivity During Peak Periods



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Process Vehicles in Half the Time with Unattended Weighing



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Eliminate Backups at the Scale Strategies for Improving Productivity

Vehicle weighing can be the constraint step of a process, a potential bottleneck that affects a facility's overall throughput. Preventing backups at a vehicle scale is an effective way to increase productivity.

Backups can delay deliveries of bulk material, causing shortages downstream or requiring you to maintain higher inventory levels to compensate. Keeping traffic moving over the scale helps meet production goals and reduce operating costs.

Weighing capacity

Long lines of trucks during peak periods are a sure sign of insufficient weighing capacity. Adding a second vehicle scale increases a facility's productivity by enabling trucks to haul more loads. It also relieves traffic congestion and allows a business to grow.

Unattended weighing

An effective strategy is to make vehicle weighing more efficient by enabling drivers to process their own weighing transactions. By eliminating the need for a scale operator, an unattended weighing system can reduce costs and increase transaction speed by up to 50 percent.

Don't let vehicle weighing slow down operations. Learn about strategies for improving productivity. This newsletter features articles about how increased capacity and unattended weighing can save time and money.

METTLER **TOLEDO**

Profit from a Second Scale

Improve Overall Productivity

Every minute that trucks spend waiting in line is wasted time. When a vehicle-weighing operation backs up on a regular basis, it is a sure sign of a problem. Adding a second scale is a solution that pays off with greater productivity.



Plan for peak usage

Truck arrivals are rarely spaced evenly throughout the day. Most vehicle scales have peak hours when a large number of trucks need to be weighed. Even if the average number of trucks per day seems manageable for one scale, a weighing operation could see backups during peak periods.



Trucks per day

Every vehicle-weighing operation is different. Some weigh one truck per day; others weigh thousands. When the volume of traffic is too large for a truck scale, it causes problems: shipments are delayed, traffic gets congested and productivity suffers downstream of the scale.



Weighment time

The number of trucks per day does not tell the whole story about how busy a scale is. Another factor is the time required to weigh each truck. One scale might be able to handle 100 trucks per day at two minutes per truck, but doubling the processing time reduces the number of trucks a scale can handle.

Six Reasons to Add a Second Scale

- 1** Vehicles are more productive when they do not have to wait in line. Eliminating wait times can allow vehicles to haul more loads.
- 2** The additional weighing capacity provided by a second scale allows room for a business to grow.
- 3** Multiple scales relieve traffic congestion by eliminating long lines of trucks waiting to be weighed.
- 4** A second scale can improve traffic patterns by providing dedicated scales for inbound and outbound traffic.
- 5** If one scale experiences unplanned downtime, a second scale enables the business to continue weighing.
- 6** The increased throughput allows facilities to keep less inventory on hand.

Truck Scale Buying Guide

Download this free guide to everything from site planning to installing and commissioning a scale.

www.mt.com/truckscaleguide





Benefits of Unattended Weighing Process Vehicles in Half the Time

Introduce self-service efficiency to a vehicle-weighing operation. Unattended weighing offers an effective strategy for increasing productivity and decreasing operating costs. It enables drivers to process their own weighing transactions without the need for a scale operator.



Weigh more trucks per day

DataBridge™ software's unattended weighing option speeds up vehicle weighing by enabling drivers to process their own transactions. It helps facilities improve transaction speed by up to 50 percent. Unattended weighing is especially valuable to facilities that operate multiple vehicle scales.



Simplify weighing transactions

DataBridge™ software simplifies unattended transactions by controlling what data is required and how it can be entered. Drivers can use an unattended terminal equipped with a touchscreen, card reader or keyboard. They can also process weighing transactions from their smartphones or other mobile devices.



Prevent costly accidents

Trips and falls are the leading causes of non-fatal injuries to tractor-trailer drivers. Unattended weighing prevents accidents by keeping drivers safely inside their vehicles throughout the weighing process. Everything needed to complete a weighing transaction is right at the driver's fingertips.

Unattended Terminals

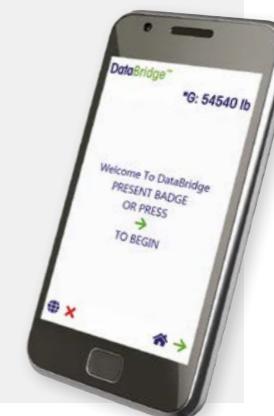
- Touchscreen
- Card reader
- Keyboard
- Ticket printer
- Intercom



DataBridge™ Express

- Drivers process weighing transactions on mobile devices
- Tickets sent to devices by e-mail
- Cost reduction of 75 percent compared to traditional driver terminals

www.mt.com/DataBridge



Fast and Accurate Billing

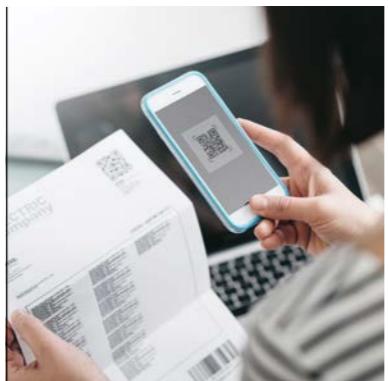
Eliminate Manual Data Entry

Legal-for-trade vehicle scales generate vital accounting data. Transferring the data manually risks costly errors and delays. Prevent those problems by using scale software to integrate your weighing and accounting operations.



Pay at the scale house

After weighing a vehicle, the DataBridge™ MS application prompts the scale operator to collect payment by cash, check, or credit card. Connect the software directly to a credit card server or cash drawer to simplify payment. Use the daily cash-balance report to check the cash drawer at closing time.



Automate invoicing

Use the optional invoicing module to bill customers quickly and accurately. It eliminates the need to purchase separate invoicing software and transfer data or enter data manually. DataBridge™ MS software handles the entire billing process, generating electronic invoices or printed invoices for mailing.



Export billing data

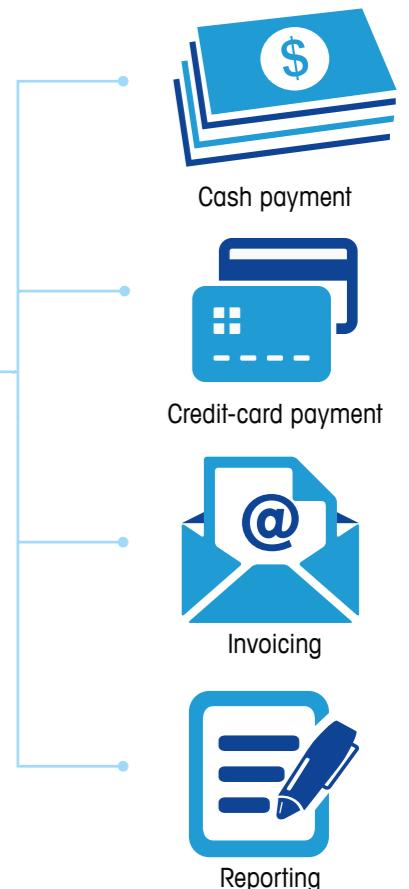
DataBridge™ MS software saves time and reduces errors for businesses that use an external invoicing application. The database exports a record of each weighing transaction with pricing, taxes, and fees already calculated. Standard file formats ensure compatibility with external applications.

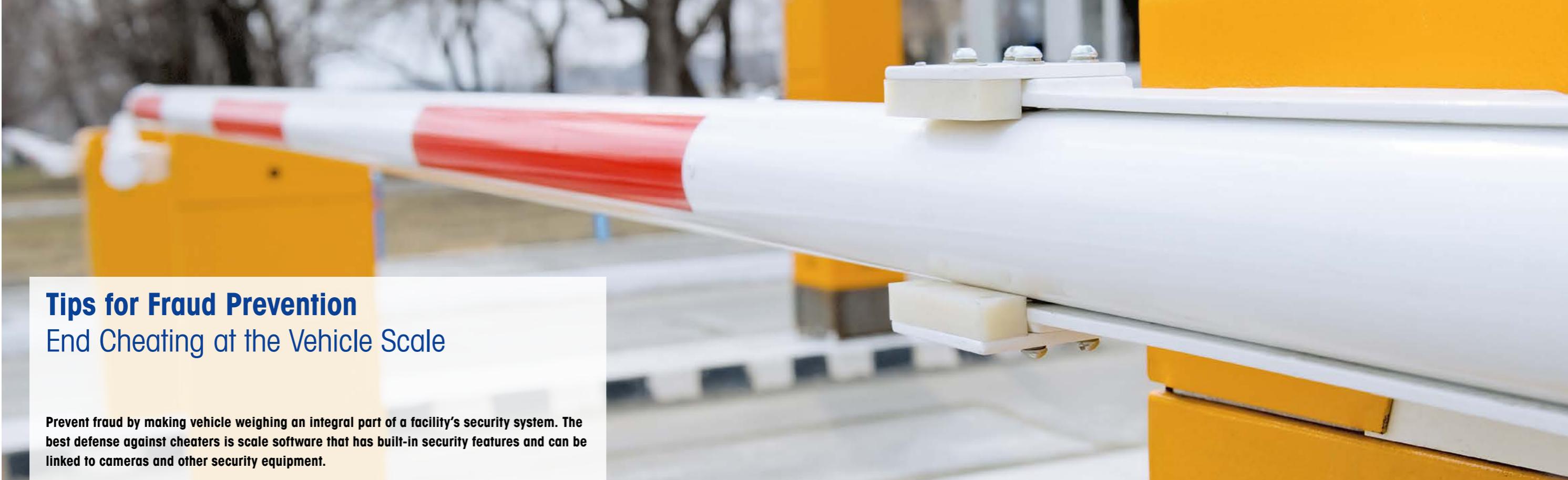


DataBridge™ MS Software

DataBridge™ MS software streamlines a business by providing single-point control of all accounting functions related to a vehicle scale: cash payment, credit-card payment, invoicing, and reporting.

► www.mt.com/DataBridge





Tips for Fraud Prevention

End Cheating at the Vehicle Scale

Prevent fraud by making vehicle weighing an integral part of a facility's security system. The best defense against cheaters is scale software that has built-in security features and can be linked to cameras and other security equipment.



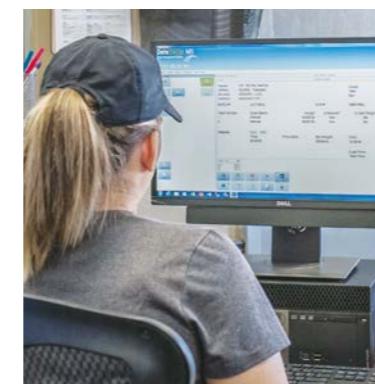
Scale security

Restrict access to a DataBridge™ MS application by managing users and their roles. The software also controls equipment that regulates traffic over vehicle scales. Linking the software to photo-eye sensors and traffic loops provides automated and manual control of traffic lights and barriers.



Surveillance cameras

Prevent drivers from cheating the scale with the optional camera module. It integrates surveillance cameras into the weighing operation, capturing still images at key stages of a transaction and storing them as part of the record. With the built-in monitor, scale operators can view live video of activity at the scale.



Fraud prevention

The software records an audit log and other data designed to prevent fraud. It plots a weight curve for each vehicle to detect tampering with the electronic weight signal. By storing histories of vehicle tares and reprinted tickets, the system enables administrators to spot fraudulent activity.



Scale security

- Traffic lights and loops
- Traffic barriers
- Vehicle position sensors
- Side rails and curbs



Cameras

- Video surveillance
- Still images
- License plate readers



Fraud detection

- Weight curve
- Ticket tracking
- Stored tare weights
- Preloading
- Audit log

DataBridge™ MS Software

DataBridge™ MS software is the control center for fraud prevention, with built-in security features and interfaces to external equipment.

► www.mt.com/DataBridge

Improve Vehicle Weighing

Accuracy – Productivity – Compliance

A vehicle scale will affect a business's profitability for 10 to 20 years. Before signing on the dotted line, ask whether a scale is designed to meet the desired needs for buying/selling by weight, complying with legal weight limits, unloading on the scale and relocating. Selecting the right type of scale is essential for getting a high return on the investment.



Full-length scales

Full-length scales are the first choice for legal-for-trade weighing. Using modular designs, we supply weighbridges to handle even the longest trucks and most complex loading operations. They deliver reliable weighing, even when dealing with heavy traffic and harsh environments.

► www.mt.com/vehicle



Multi-platform and axle scales

Ensure that trucks are loaded properly and comply with highway weight limits. Multi-platform scales save time by providing gross vehicle weight and axle-group weights in one easy step. Axle scales are an economical option for weighing individual axles or axle groups.

► www.mt.com/vehicle



Weigh-in-Motion scales

Weigh-in-motion (WIM) scales are an economical solution for operations that handle large volumes of traffic. Our WIM technology combines high productivity with low initial and operating costs. It weighs trucks accurately as they drive over the scale platform at speeds up to 15 miles (24 kilometers) per hour.

► www.mt.com/WIM



Portable scales

Portable scales are ideal for weighing operations that move from site to site. Steel frames allow owners to relocate scales quickly and easily, saving the time and expense of pouring a new concrete foundation. There is no need to wait weeks for concrete to cure. A portable scale can be up and running in hours.

► www.mt.com/ind-portable



Tank and hopper scales

Our weigh modules can convert a tank or hopper into a scale that weighs bulk material as it is loaded into a vehicle or container. This type of scale saves time and space by combining filling and weighing into one efficient operation that provides accurate weights.

► www.mt.com/ind-tank-weighing



See Our Technology in Action

Vehicle Scale Video Gallery

Find out how our advanced vehicle-weighing technology provides the best return on investment with unmatched accuracy and reliability.

POWERCELL® Technology Videos

- POWERCELL® PDX®: How It Is Made
- POWERCELL® PDX®: Superior Accuracy
- POWERCELL® PDX®: Lightning Protection
- POWERCELL® PDX®: Environmental Protection
- POWERCELL® PDX®: No Junction Boxes
- POWERCELL® PDX®: Quick and Easy Replacement
- POWERCELL® PDX®: Upgrade a Scale
- POWERCELL® GDD® Load Cells
- Module Masher
- Factory Tour

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