

Transport & Logistics

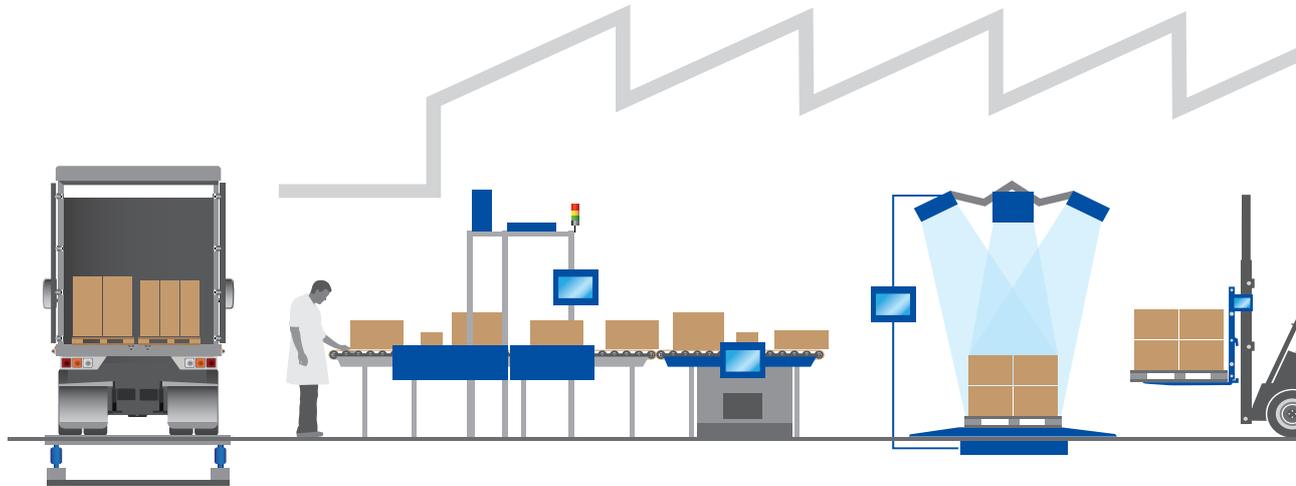


Flexible Measuring Solutions
For Profitable, Efficient Logistics

METTLER **TOLEDO**

Simplify the Logistics Process

With Accurate, Reliable Data Capture



Goods Receiving

Efficient profiling of in-coming goods is a basic requirement for tracking and tracing and inventory control. Our solutions include barcode readers, scales, dimensioners, printers and software solutions for full control of incoming goods.



Moving and Sorting

Organized goods handling is made easy with top-performing forklift scales, dynamic scales, dimensioners, barcode readers and cameras. Software solutions assign shipments to the correct sorting line or freight bill and update track-and-trace and invoicing systems.



Pallet Handling

For a more efficient and profitable pallet handling process, we offer pallet dimensioners with integrated floor scales and handheld barcode reader. Forklift scales quickly capture weight data while transporting the pallet to its next station.



In a world of short cut-off times and impatient customers, the transport and logistics industry faces increasing pressure to deliver as quickly as possible and in time-definite windows. At METTLER TOLEDO, we create complete weighing and measuring solutions and services that bring financial and operational efficiency to the handling process for enhanced logistics excellence.



Warehousing and Distribution

Maximizing inventory turn-over increases profitability. Our bench and shelf scales, counting scales and dynamic weighing and dimensioning solutions provide the data you need for efficient inventory control. When all inventory is well profiled, operational productivity peaks.



Shipping

Whether you ship goods yourself, or rely on a third-party transport provider, it is imperative that you know the weight, dimensions and ID of goods you send. Our range of scales and dimensioners makes sure you get paid properly and stay in control of your transport costs.



Data Management

When building a data capture solution with various components, our proprietary data capture software is the glue that holds it all together. It stores the data captured, merges it and turns it into value-added tools for improving efficiency, profitability and customer service.



Cargo Handling

For heavier, more difficult-to-handle cargo containers and ULDs, we offer highly accurate, easy-to-load caster deck, roller deck and pan-cake scales. Ensure efficient loading and avoid the costly delays and damage caused by overloading of aircraft.



Goods Receiving

Get it Right from the Start

Profiling in-coming goods with dimensions, weight and ID is the foundation for pricing, maximizing warehouse space, load planning, sorting and tracking. The more data captured at this stage in the process, the better control you have of your operation.

Registration of Goods



Start proficiently with flexible identification solutions

Begin the process of building a data profile for each shipment with automatic identification of incoming goods. METTLER TOLEDO weighing and dimensioning solutions are integrated seamlessly with barcode readers and cameras. We deliver complete solutions for multi data capture.

Price Determination



Efficient verification of shipment weight and size

Weighing and dimensioning allows for efficient price determination and identifies discrepancies in customer declared data. Choose from a variety of floor, forklift and dynamic scales, and parcel and pallet dimensioning solutions for all throughputs and any type of goods.

Completeness Control



Fast and flexible confirmation of correct delivery

Reliably check completeness of goods with rugged bench, floor or pallet scales. Counting scales verify that a shipment contains the correct number of items. For added comfort and flexibility, use the optional barcode scanners, mobile carts or access ramps.



Solutions for Goods Receiving

Forklift scales

Dimensioners

Dynamic scales

Barcode readers

Cameras

Bench and floor scales

Vehicle Scales

Weighbridges

PC application terminals

TLX MultiCapture™

Automatic Multi Data Capture

The TLX MultiCapture™ is a complete, in-motion data capture solution, designed to be integrated into parcel handling conveyor systems. Parcels are automatically spaced ensuring accurately dimensioned, weighed and identified packages. The system comes in two main versions, fully automatic or with a validation option in which the operator can enter missing parcel data. A sorter and simple conveyors can be provided as accessories.

► www.mt.com/tlx

Moving and Sorting

Transparent Flow of Goods

Productivity in transport and logistics can be measured by how smoothly the process of guiding an object, from drop-off to invoicing, is achieved. Bottlenecks disrupt the process and can cause delays. Quick data registration ensures that each shipment is efficiently processed, sorted and sent on to its final destination.

Weigh Pallets on the Move



Save time with one-step weighing

Robust, reliable forklift scales streamline the weighing process. Your forklift truck does the weighing, so there is no need for trips to and from a stationary floor scale. The scale carriage is constructed of solid steel and designed to withstand years of heavy use. Integrate forklift scale with automatic pallet dimensioning and barcode reading.

Sorting and Tracking



Fulfill requirements for good track and trace practice

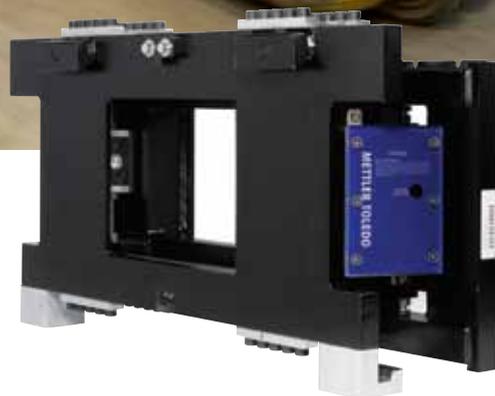
Vital to the transport industry is confidence that each item will arrive in the desired destination, on the allocated day. Measuring stations collect traceability data such as product ID, weight, dimensions and sorting data. Software communicates with the sorter and track-and-trace software, following each item on its journey to its final destination.

Quality Control



Cameras assure package content and condition

Weighing and dimensioning at different sites verifies that a shipment's weight and shape are consistent and can determine where damages or losses have occurred. Integrate cameras with your dimensioning equipment for additional information about a shipment's content and condition.



Solutions for Moving and Sorting

Dimensioners

Dynamic Scales

Forklift Scales

Identification Solutions

Small Sorters and Simple Conveyors

Data Capture Software

Terminals

VFS220 Forklift Scale

Accurate weight data from the offset

Save time and money by gathering accurate weight data in just one step. Our robust VFS220 forklift scale eliminates the time-consuming task of transporting pallets to a floor scale, weighing them, and removing them again. The scale carriage serves as the forklift truck's lift bracket. Simply lift the pallet to trigger the scale. The forklift driver can control all weighing operations from a terminal mounted in the cab.

► www.mt.com/freight

Pallet Handling

Fast, Accurate and Efficient

Processing palletized freight is more time consuming than handling parcels. METTLER TOLEDO floor and forklift scales and automatic pallet dimensioners speed up and simplify the process. Capture weight, dimensions and ID in seconds for correct invoicing, costing and a head-start on load planning.

Pallet Weighing



Verify pallet weight and eliminate revenue loss

Choose from a wide variety of floor, pallet and pallet truck scales. With a range of capacities up to 12,000 kg, free-size dimensions and rugged construction, there is a weighing option for every requirement. Ramps and rollers configure scales for easy loading and positioning.

Pallet Dimensioning



Accurate freight measurement keeps you profitable

Pallets aren't always nice and square. Because they are difficult to measure, they often aren't checked or the measurements used are incorrect. Our automatic pallet dimensioning solutions ensure accurate data for invoicing. Overhead mounting means no slow down in operation.

Image Capture



A picture is worth a thousand words

Cameras take a picture of a pallet as it is measured. Images are stored in a searchable database and provide a valuable customer service tool. The pictures can be used as evidence of correct invoicing, to explain a surcharge or to prove the condition of an object when measured.



Solutions for Pallet Handling

Dimensioners

Floor & Pallet Scales

Forklift Scales

Pallet Jack Scales

Cameras

Data Capture Software

Label Printing



CSN840 Pallet™

Accurately measures any shape

The CSN840 Pallet™ is a fully approved pallet measuring system with high accuracy on all shapes and surfaces. Modular design means the system can be combined with any floor or forklift scale. Pallet dimensions, weight and ID are wirelessly sent to a customer's host computer system for manifesting and revenue protection. Three to four second measuring time makes the system attractive for dynamic pallet handling systems.

► www.mt.com/CSN840

Warehousing and Distribution

Flexible, Organized Stock Control

Speed up your warehousing and distribution processes with efficient commissioning and inventory control. Automated stock management allows you to run an efficient warehouse. Flexible weighing solutions with extended connectivity optimize operations and guarantee end-to-end stock control.

Commissioning



Pick orders efficiently with mobile scales

Achieve significant time savings due to short order-picking routes with mobile weighing solutions. METTLER TOLEDO counting scales facilitate error-free commissioning in the blink of an eye. Battery operation and WLAN connectivity to your warehousing or ERP system allow maximum flexibility for your daily operations.

Inventory Control



Survey and optimize your inventory remotely

Benefit from efficient and transparent stock control with integrated smart shelf weighing systems. The quantity of every bin is checked remotely, giving you full stock control, accountability and the opportunity to optimize your supply chain.

Transport Cost Management



Analyze and integrate your weighing results

Plan and invoice for actual cost of shipments and eliminate back charges by recording the correct weight and dimensional weight of your deliveries. Static and dynamic scales and dimensioners can be integrated directly into your process line. Smart case weighing solutions offer final monitoring and completeness checks prior to dispatch.



Solutions for Storage & Warehousing

Mobile Counting Scales
Dynamic Scales
Case Weighers
Database Solutions
Label Printing
Inventory Scale Solutions
Bench / Portable Scales
Dimensioners
Floor & Pallet Scales
Forklift Scales



ICS469-40 Dynamic Scale

Flexible Global Weighing System

The ICS469-40 has been designed to fulfill the most demanding system integration requirements. Choose from different configurations, such as terminal height and construction material, and a number of connectivity options. The multi-lingual operating terminal offers nine languages to reduce operator error and provide ease of use and simple service.

► www.mt.com/garvens-ics40
► www.mt.com/garvens-ics100

Shipping

Accurate Order Fulfillment

High delivery quality is essential for customer satisfaction. Accurate dimensioning and weighing, and easy-to-operate order picking and labeling helps to process orders quickly and accurately, making sure your customers return to you, their most reliable supplier.

Manifesting



Correct order fulfillment for customer satisfaction

Enhance inventory control and protect profits with smart weighing solutions. METTLER TOLEDO weighing, dimensioning and counting equipment act as your accounting system for incoming and outgoing goods, as well as items that need to be routinely controlled or counted.

Labeling



Proper labeling according to your needs

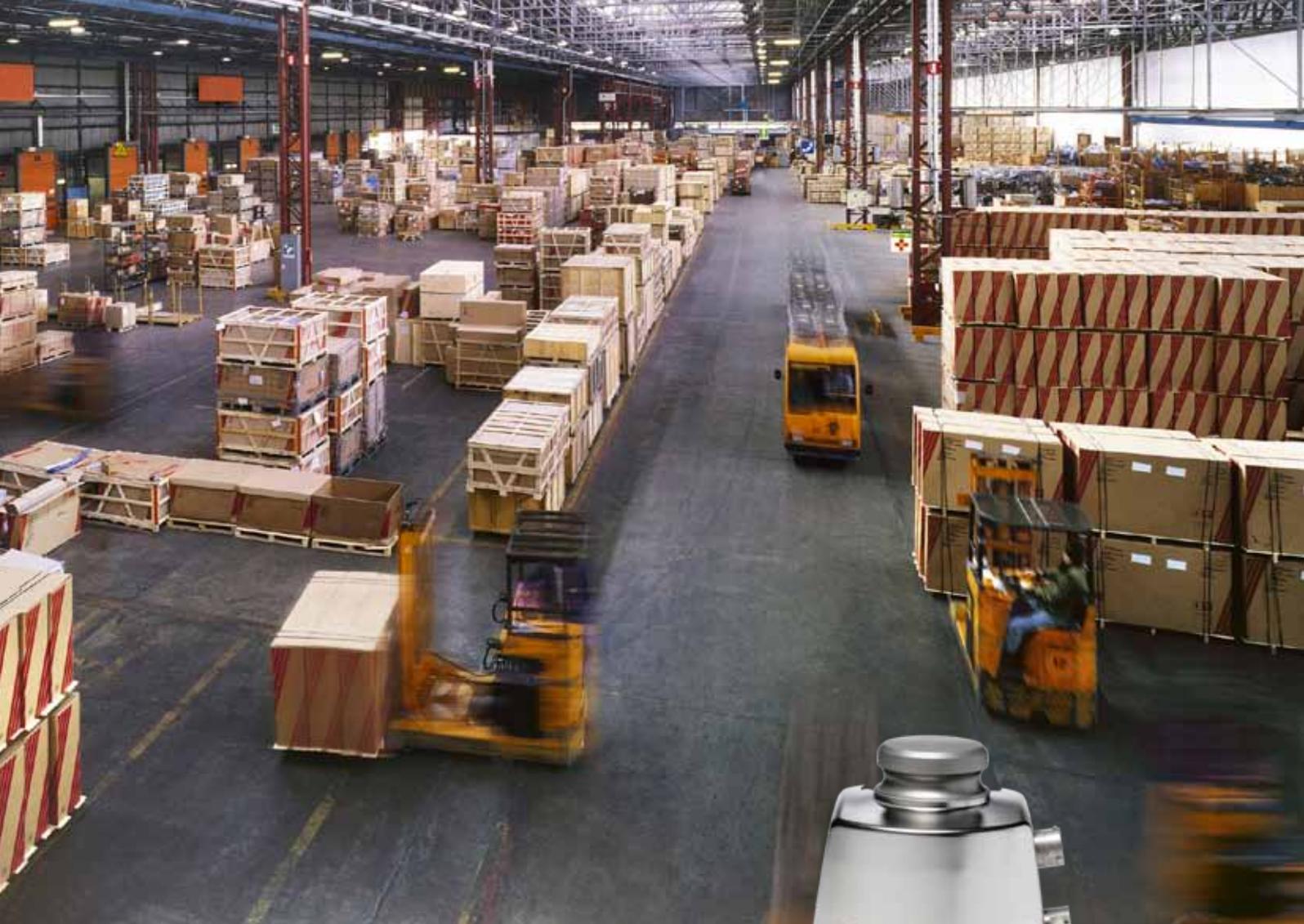
To complete shipping, the right labels have to be provided to assure traceability. Correct, industry-standard labeling is important when shipping goods. We provides tailored printing solutions that meet the demands of your customers and the standards with which you need to comply.

Vehicle Weighing



Accurate weighing of outgoing vehicles

To accurately weigh outgoing vehicles choose from a wide range of truck and rail scales that use POWERCELL load cell technology to provide high accuracy and exceptional durability. No matter your application, we offer high-performance scales, interfaces, software and accessories to meet your vehicle weighing needs.



Solutions for Shipping

Bench & Counting Scales

Printers

Case Weighing Solutions

Dimensioning Solutions

Floor / Pit Scales

Ultra Low-Profile Scale

Truck and Rail Scales

Pallet & Pallet Truck Scales



POWERCELL® PDX®

Lightning protection, predictive diagnostics and simple maintenance

No other loadcell can match POWERCELL® PDX® for weighing vehicles accurately and reliably. Resistance against lightning strikes, flooding and rodents provide highest uptime, minimal maintenance costs and long service life.

► www.mt.com/powercell

Data Management

Bringing Value to Processes

Capturing data is the first step but it's what you do with it that really adds value to your processes. Our data management software solutions transform raw data into tools for improving efficiency, managing goods flow and making the most out of your weighing, dimensioning and identification equipment.

Data Transparency



Easily usable data for optimum planning of resources

From sales to service to operations, high quality data is vital for all factions of your organization. Use measurement data to generate statistics and trend reports, and for load, resource and labour planning. Export data in the format you need and interface with your own systems and software.

Updated Invoicing



Seamlessly interface with invoicing systems

The data gathered from your weighing, dimensioning and identification equipment is transferred quickly and securely to your own host for simple updating of invoices and other documentation, reducing the need for additional paperwork and the risk of human error.

Customer Communication



Proof of correct pricing for clear communication

All data captured is stored in a legal-for-trade, tamper-proof database for a defined number of days. This makes it easy to show customers that freight has been measured using approved, automatic equipment and that the invoices generated as a result are fair and correct.



Solutions for Data Management

- Shape Recognition
- Alibi Memory Storage
- Remote Monitoring
- Barcode Verification
- Image Capture
- Host Communication
- Database Solutions

OCTO™ DataCapture Software

Seamless communication between components
 When building a data capture solution with various components, OCTO™ DataCapture Software is the glue that holds it all together. It stores the data captured, merges it and turns it into value-added tools for improving efficiency, profitability and customer service.

Cargo Handling

Balance Loads with Confidence

Speed up your balancing act by accurately weighing air cargo containers as they are filled. Flexible scale layouts help to optimize your loading operation. Single or double rack scales allow you to weigh cargo of various configurations. Low profile weighing solutions let you quickly weigh cargo on the move when transferring units to the aircraft.

Container Load Management



Eliminate risk of overloading with accurate weight data

Fill ULDs quickly with rack container scales. Single and dual module scales are available with either roller or swivel caster decks. Manage the loading process with simple process control interfaces. Automatic dimensioning solutions provide data for load planning and correct pricing of space.

Efficient Container Transfer



Quick, efficient weighing of ULDs on the move

Have ULDs on the move? Speed up the process by driving over a low profile pancake scale. Ramps surround the entire scale allowing vehicles to approach from any direction. CENTERLIGN™ load cell suspension eliminates shear failures associated with rigid-foot suspension systems.

Data Consolidation



Seamless interfacing for organized operation

METTLER TOLEDO cargo weighing and dimensioning solutions interface easily to your manifest systems putting you in control of the loading operation. Scan or enter container ID's to create a fool-proof audit trail. Statistical data provides a useful tool for planning resources, costs and customer communication.



Solutions for Cargo Handling

ACWS Rack Container Scale

Vertex Pancake Scales

Floor / Pit Scales

Ultra Low-Profile Scale

Pallet & Pallet Truck Scales

Pallet Dimensioners

Parcel Dimensioners

Dynamic Scales

ACWS Rack Container Scale

Robust, heavy duty weighing

Accurate weight data ensures that an aircraft complies with acceptable weight and balance specifications. The ACWS elevated rack scale is designed to survive the harsh environments in the express air cargo industry. Easy to install and maintain, the scales offer minimal downtime and low cost of ownership and provide you with accurate weight data for load planning, balancing and invoicing.

► www.mt.com/aircargo

Improved Productivity For Excellent Business Results

Maximize uptime and throughput to protect your profit margins. Inefficiencies are reduced through streamlined handling of goods, while ergonomic setup options speed up operation. Measuring results can be integrated into your network applications.



Data Handling and Documentation

To simplify various measuring processes, you need to handle numerous article IDs and product profiles. For efficient data handling, METTLER TOLEDO products offer integrated data storage and advanced connectivity to your existing systems. This also allows you to store and analyze measuring results for statistical purposes. Alibi storage provides a tamper-proof database for storing data that is to be used for invoicing, customer communication and audits.



Integration and Automation

The right interface simplifies the integration of measuring equipment into your existing network applications. It increases efficiency by ruling out overlaps and by bringing together all relevant data in one central database, where the data can be monitored and analyzed. The most commonly used interfaces allow for easy integration. Connect barcode scanners, keyboards and traffic lights to facilitate processes.



Easy Operation

Easily integrated into existing processes and simple to learn how to use, our measuring systems are designed to cause minimum disruption to existing operations and to bring about efficient work flows. METTLER TOLEDO consultants will advise you on where to place equipment in order to optimize operational flow. We offer flexible installation configurations to make sure that the equipment you install does its best for you and your operation.

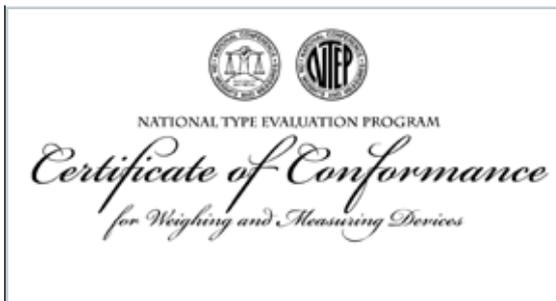


Improved Operational Flow

Smooth operational flow facilitates revenue recovery on as many packages as possible. Our scales and dimensioners offer value-added features designed to improve sorting efficiency, increase read rate, and in turn, guarantee maximum operational efficiency. Detect if an item is overweight or oversized for re-classification. Identify if two parcels are traveling side-by-side and instruct that they be sent down a reject line and improve sorting by knowing a parcel's position on the belt.

Compliance and Quality For Peace of Mind

Weights and Measures regulations ensure that carriers get paid in-line with services and that customers understand what they are paying for and are not overcharged. METTLER TOLEDO offers high quality solutions to meet the standards set by the regulatory bodies and that provide accurate data for our customers, and yours.



Weights & Measures Approved

OIML, NTEP and MID approvals ensure the quality of our measuring systems while guaranteeing that the data you use for invoicing is legal-for trade. Here at METTLER TOLEDO, we take regulatory compliance seriously. We boast the widest range of approvals in the transport and logistics industry. With METTLER TOLEDO equipment, you can assure customers and regulatory bodies that the measurements you use for invoicing are accurate, repeatable and legal for trade.



Compliance through Calibration

Calibration ensures quality and compliance with unmatched ease and consistency. With MiraCal™, the unique METTLER TOLEDO calibration and certification system, you can rest assured that your operations are compliant. A consistent process, readily available documentation and valuable data let you manage performance beyond the next audit. Fully traceable calibration certificates are generated in PDF format.



Customer Confidence

METTLER TOLEDO solutions provide accurate data for invoicing, pricing and negotiating of customer contracts. Your customers are assured accurate measurements supplied by a legally approved system, risk of number transposition of numbers or human error. They can be sure invoicing is fair, consistent and corresponds to the service they receive.



Quality Every Time, Over Time

METTLER TOLEDO is a recognized leader when it comes to producing high quality equipment, integrating cutting-edge technology with software to create powerful measuring solutions. We work with some of the biggest names in the business to stay on top of industry trends and to develop solutions that provide our customers with the tools they need to operate profitably and efficiently.



Global Services for Uptime, Performance & Expertise

When measurements are directly linked to profit, downtime is expensive. METTLER TOLEDO takes every precaution to make sure that your equipment is up, running, and making money, around the clock.

Uptime



Easy access to support know-how and regular equipment checks according to standard procedures ensure maximum uptime at minimal cost.

Your equipment is often subject to tough environments and heavy use in critical processes that require continuous uptime. No moving parts, health monitoring and remote diagnostics guard against equipment breakdown.

Performance



Professional installation and setup of your equipment, along with the use of thoroughly tested applications, guarantee high performance from day one.

Regular preventative maintenance ensures efficient and consistent performance throughout the life of your equipment, preventing out-of-spec results at all times.

Expertise



Your expertise paired with the know-how of our Service Team are key to maximum uptime, optimum performance and 100% compliance.

We consult with you at every step of the investment process and throughout the life span of your equipment, making sure it runs optimally to meet your business goals.



Global Presence



With our market organizations operating in most industrialized countries as well as selected partners in other regions, we are ready to serve you around the globe. Our products and services are available in more than 100 countries.

Our geographically focused market organizations are responsible for all aspects of sales, service and support.

More than
5000
Factory trained service
and sales specialists
worldwide

► www.mt.com/service

Access Information and Know-How At www.mt.com



Application Know-How

Benefit from a wide array of brochures and guides.
Comprehensive information enables you to improve your processes.

- ▶ www.mt.com/dim-productivity
- ▶ www.mt.com/weighbridgeguide
- ▶ www.mt.com/cargoscan-whitepapers
- ▶ www.mt.com/LightningStrike
- ▶ www.mt.com/cargoscan-videos

Value Calculators

Download our calculators and find how much you could be saving.

- ▶ www.mt.com/dim-calculator
- ▶ www.mt.com/PDX-ROI

Webinars

METTLER TOLEDO offers both live webinars, in which you can speak directly with our specialists, and recorded on-demand webcasts, which are available at your convenience 24 hours a day.

- ▶ www.mt.com/webinars

www.mt.com/logistics-competency

For more information

Mettler-Toledo AG
CH-8606 Greifensee, Switzerland
Tel. +41 44 944 22 11
Fax +41 44 944 30 60

Subject to technical changes
© 03/2013 Mettler-Toledo AG
Printed in Switzerland
Global MarCom Switzerland