Checkweighing

Checkweighing Systems
100% Quality Control
Quality Assurance

Checkweighing
For Improved Productivity and Increased Profits

Mettler Toledo
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For Improved Productivity & Increased Profits

As the leading global checkweighing manufacturer, METTLER TOLEDO Hi-Speed offers standard and highly customized product inspection solutions built to suit your specific application, environment, regulatory, and industry requirements. Our systems can ensure 100% quality control, minimize costly giveaway and give you total peace of mind.

Our broad range of dynamic weighing solutions deliver productivity and profitability with the most comprehensive line of checkweighers for the food, beverage, pharmaceutical, chemical and non-food industries.
Checkweighing

**XC3**
- Weighing range up to 3,500g
- Designed for simple weighing tasks
- Proven weighing technology and a compact design
- Three weight zones for classification with the option of continuously transmitting the individual weight values to a data capture system

**Beltweigh XC**
- Weighing range up to 6,000g to suit a wide range of packages
- Three zone operation with 100-product memory
- Speed and timing presets for fast, error-free changeovers
- Ideal for wet and washdown applications
- Ensures compliance and prevents costly product giveaway

**XD2**
- Pre-configured assemblies for lead time of only 3 weeks
- 600g Capacity; 200mg Accuracy
- EMRF Weigh Cell and 7" Diagonal TFT Display
- Standard 2 Belt Configuration
- Air Blast Reject
- PackML enabled (ISA TR88.00.02)
- ProdX Pro Sync Interface
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

**XE2**
- The economic solution for weights up to 600g
- Flawless operation with clear user interface and more than 29 “dialogue languages”
- Small footprint requires little space in a production line
- Flexible – a wide range of options can be added to tailor the system to any application
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards
XE3
- Weighing range up to 6,000g
- Flawless and quick operation with clear screen menus and prompts
- Flexible – a wide range of options can be added to tailor the system for any application
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

XS1
- The most precise belt checkweigher – with a weighing range up to 200g while delivering milligram accuracy
- Integration friendly design, ideal for tight spaces, developed specifically for small, lightweight products
- Fast throughput and high accuracy
- Large, easy-to-use 15" touchscreen for clear operator guidance
- Continuously variable belt speed with constant maximum torque
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

XS2
- Meets even higher demands with a weighing range up to 600g
- Modular concept allows ease of servicing and ensures that it can easily be enhanced by further options
- Easy-to-use 15" touchscreen with modern navigation approach and “user profiles” for clear operator guidance, avoiding errors and increasing line efficiency
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

XS3
- Modern navigation approach and a weighing range up to 6,000g
- Large 15" easy-to-use touchscreen with “user profiles” for clear operator guidance
- Weighing terminal can be tilted for optimum visibility and ergonomics
- Network connectivity for central statistical quality control and production documentation
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards
C3530 & C3570

- Checkweigh and reject bags, pouches, cartons or trays weighing up to 10kg at speeds up to 400ppm
- Higher production rates, better accuracy, and less downtime improve system performance and lead to increased OEE (Overall Equipment Effectiveness)
- The open frame design promotes inspection and cleanability and fewer wear parts ensure system availability, increased production, low down time, rapid ROI, and lower TCO
- Complies with current global packaging machinery safety standards and qualified by the largest consumer products companies; Risk Assessments available upon request
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

Cornerstone® XE

- Ideal for small to heavy packages up to 7,000g
- Heavy duty construction in either environmentally-safe powder-coat or stainless steel to suit the environment
- Integration-ready 15” color touchscreen XE control delivers ease of use plus the information and interfaces needed to enhance overall process productivity
- 100 product memory standards, up to 200 optional
- Complete offering of package handling and sorting mechanisms to handle even the toughest of applications
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

Cornerstone® XS

- Ideal for small to heavy packages up to 7,000g
- Heavy duty environment-safe powder-coat or stainless steel construction to suit the environment
- Integration-ready 15” color touchscreen XS control delivers ease of use plus the information and interfaces needed to enhance overall process productivity
- 200 product memory standards, up to 400 optional
- Complete offering of package handling and sorting mechanisms to handle even the toughest of applications
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards
CM9400

- Patented weighing method (USPTO 5,434,366) provides high throughput rate without excessive speed common to can methods with worm or slide plates (seam-to-seam weighing)
- Servo Rejector capability sorts open cans without spilling
- Proven design for wet environments with all stainless metal parts, and plastics that are dimensionally stable for the full range of temperatures and moisture conditions
- Range of can sizes from 2.5” (65 mm) to 4.0” (100 mm), with common 303, 307 sizes in between
- XS control with IP69K user interface
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

Starweigh™

- Weighing range up to 2,000g
- Perfect solution for round, oval, and even rectangular shaped packages, delivering milligram accuracy at a throughput up to 400 weighings/minute
- Save time and money – no line cuts, simple installation by simply straddling the existing conveyor
- Minimized downtime – product changeover time is reduced to an absolute minimum
- Quick changeover of starwheels, requiring no tools
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

CS3600 Case Scale

- Ideal for weighing cases and other heavy packages up to 100kg in either environment-safe powder-coat or stainless steel construction
- Maintenance friendly design with quick change belts for high reliability and maximum uptime
- Integration-ready XE or XS control delivers ease of use plus the information and interfaces needed to enhance overall process productivity
- Complete offering of auxiliary conveyors, package handling, and sorting mechanisms
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards
C2325 Case Scale
- Economical and durable design ideal for weighing cases and other heavy packages up to 50kg with accuracies to +/- 20 grams at 2 sigma
- Maintenance friendly with convenient access to components for maximum uptime
- Innovative Pin-n-Pivo™ quick change belt feature
- Integration-ready XC control with 100 package setups delivers ease of use plus the information and interfaces needed to enhance overall process productivity
- Four standard sizes to meet the requirements for most applications and short lead times

40/100 Series Case Scale
- 40kg or 100kg capacities with a wide selection of reject mechanisms, flap detectors, scanners, feedback, and communications interfaces
- Exceptional accuracy using patented METTLER TOLEDO weighing technology to eliminate costly product give-away
- Use the XE controller with its 100 product memory or the XS control with 200 product memories and its large dashboard display for at-a-glance monitoring
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

Beltweigh XC CombiChecker™
- Ideal for wet and washdown applications where basic checkweighing and metal detection ensures compliance, protects your brand, and prevents costly product giveaway
- Three zone operation for packages up to 6,000g for flexible operation
- METTLER TOLEDO Safeline metal detector with patented ZMFZ metal detector technology delivers superior inspection in tight spaces
Cornerstone® CombiChecker™

- Heavy duty construction in either environmentally-safe powder-coat or stainless steel to suit the environment
- Integration ready XS or XE control delivers ease of use plus the information and data interfaces needed to enhance overall process productivity
- METTLER TOLEDO Safeline metal detector ensures maximum brand protection on a common, easy to install frame
- Complete offering of package handling and sorting mechanisms to handle even the toughest of applications
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

CM3530 & CM3570 CombiChecker™

- Single unit with integrated metal detection and checkweigher
- Permits faster package changeovers, system set up and configuration, and enables reliable tracking and segregation of metal and weight rejects
- CombiChecker configuration will bolster HACCP (Hazard Analysis and Critical Control Points) plans by consolidating the number of critical control points and increasing plan efficiency
- Open frame design promotes inspection and cleanability, and fewer wear parts ensure system availability, increased production, low down time, rapid ROI, and lower TCO
- Complies with current global packaging machinery safety standards and qualified by the largest consumer products companies; Risk Assessments available upon request
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards

XE2 CombiChecker™ & XE3 CombiChecker™

- Single unit with integrated metal detection and checkweigher
- In-line weighing and metal detection in one process
- Weighing range up to 6,000g
- Numerous options allow tailoring to your unique application
- Two rejecting devices for separation of over/underweights and metal-contaminated products
- Data communications options to fulfill needs from manual data acquisition to integration with Fieldbus, SCADA, MES, and ERP systems following PackML standards
**XS2 CombiChecker™ & XS3 CombiChecker™**

- Weighing range up to 6,000g
- In-line weighing and metal detection in one process with central operation on a single terminal
- Shared product setup for quick and easy product changeover at the touch of a button
- Single or dual frequency technology for highest metal detection sensitivity

**XS2MV Tamper Evident Checkweigher**

- 4-in-1 Solution for highest process safety
- Prints and inspects 2D Datamatrix codes and unique item serial numbers for regulatory compliance
- Applies and inspects tamper evident seals
- Accurate checkweighing up to 300g, laser marking or ink jet printing and vision inspection for global traceability and brand protection

**XS2MV Checkweighing, Mark & Verify System**

- Accurate weighing up to 600g, laser marking or ink jet printing and vision verification to ensure global traceability and assist fraud protection
- Product codes printed are verified for accuracy and legibility and serve as a key for legally required quality certificates
- Developed for process reliability and high production volumes
- Available with multiple software options
METTLER TOLEDO Service ensures you get the most out of your product inspection equipment.

Your metal detectors, x-ray inspection systems, checkweighers and vision inspection systems are important to your company’s bottom line. METTLER TOLEDO Service experts understand how to get the most out of your investments. Your equipment needs to be performing all the time, so uptime, accuracy and reliability are important—regardless of the circumstances and usage. Count on the METTLER TOLEDO Service team to help you get many years of dependable operation.

Stay compliant with current quality requirements, applicable laws and regulations and pass every audit flawlessly. Our training programs, for operators and technical staff can equip your personnel with the knowledge and procedures needed to keep your inspection equipment running reliably.

METTLER TOLEDO Service knows what it takes to be the service choice with a unique blend of proven service offerings designed to suit your specific business needs organized under our core values of **Uptime**, **Performance**, **Compliance** and **Expertise**.

### Uptime
**Support & Repair**
- Remote monitoring and diagnostics
- Spare parts and kits
- Onsite-depot repair
- Wear/tear parts and refurbishment

### Performance
**Maintenance & Optimization**
- Application support
- Qualified installation
- Setup and configuration
- Software maintenance
- Instrument and process optimization
- Preventive maintenance

### Compliance
**Quality Assurance & Certification**
- Weights and measures support
- Qualification
- Validation
- Documentation
- Testing
- Calibration and calibration certificates
- Legal verification

### Expertise
**Training & Education**
- Expert seminars
- Application training
- Literature and downloads
- Consulting
- Customization
- System and process integration
- Basic user and technical training
Service Solution Packages
– the cornerstones of our service offering

Extended Care
With the Extended Care program, we ensure peace of mind over the first 24 months of your equipment’s life. You don’t have to worry about wear and tear of the equipment, downtime of your operations, or lack of performance. With preventive maintenance right from the start, you minimize possible long term impacts on your equipment too. We know what to watch out for – we inspect your measurement device accordingly and replace critical worn parts, long before you realize there are any problems. We will be there to care for your equipment when you need us.

Health Check
This service covers the evaluation of any product inspection device. It is intended to give the customer professional feedback from METTLER TOLEDO Service regarding the actual conditions and performance of the equipment. No adjustments or calibrations are done during this process.

Preventive Maintenance (PM)
With a Preventive Maintenance package, our service technicians examine your processes in depth including product throughput, packaging variables, contaminant identification and other key variables. This determines the appropriate level of maintenance to keep systems 100% operational, 100% of the time. Routine maintenance visits will then be scheduled as part of a standard, extended or tailored service agreement.

Performance Verification (PV)
With a Performance Verification package, our service technicians will audit the performance of your systems to ensure they meet the requirements of your HACCP plan and up-to-date legislative and regulatory requirements. It ensures that inspection data is accurate and it provides certification that is valuable, recognizable and understood by your auditors. Performance Verification visits can be scheduled separately or as part of a standard, extended or tailored service agreement.

Service Tech Locations
Blue: Safeline
Green: Hi-Speed
Orange: CI-Vision / PCE
ProdX
Data Management Software

ProdX Inspection data management software provides seamless integration of product inspection devices making processes more streamlined, more accessible and more efficient.

ProdX provides the flexible software solution for those concerned with all aspects of productivity and quality.

Supporting Compliance
The innovative ProdX software automatically collects the critical inspection process data you need in one convenient location significantly reducing the need to interact directly with the Critical Control Points on your factory floor. This saves time and effort enabling quality operators to focus on other issues.

Optimizing Productivity
Streamlining, speeding up or eliminating set-up times between production batches reduces downtime and that is just one of the benefits you will see with ProdX. Add to that the ability to closely monitor the operation of your Critical Control Points and being advised of adverse trends before they threaten your line efficiency and you can start to see how beneficial the software can be.

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