Checkweighers

XS1
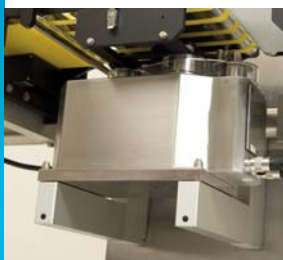
Package handling and regulatory compliance

EMFR Weigh Cell
METTLER TOLEDO Electro Magnetic Force Restoration (EMFR) weighing technology for unparalleled dynamic weighing performance.

Color Touch Screen
Large 15" display for high visibility, easy operation, and lots of information.

Ultra-Lightweight
Precision tuned conveyors are the core of the XS1 system with ultra quiet operation at high line rates.

XS1 shown with optional draft shield, reject bin, side grip package transfers, and star wheel spacing device.

HI-SPEED delivers a compact design specifically for small packages

The XS1 is ideal for checkweighing small, lightweight packages or valuable products and materials where high accuracy and maximum throughput are required.

In addition to it's ability to handle smaller packages the XS1 also shares the technical benefits offered by the XS easy-to-use color touch screen user interface for intuitive operator guidance. CFR21 Part 11 Compliance and a complete Equipment Qualification Package (EQPac) plus a wide variety of line integration, production control and monitoring, product security and connectivity options make this the preferred inspection system where absolute product control, process security, and regulatory compliance are required.

METTLER TOLEDO

Technical Data
XS1
– Big performance on small packages

With a footprint of only 5 square feet, the HI-SPEED XS1 check-weigher can checkweigh the smallest packages at very high rates and fit virtually any production line. Extremely high accuracy is achieved using state-of-the-art Electro Magnetic Force Restoration (EMFR) weighing technology from METTLER TOLEDO and the XS 15″ color touch screen control handles all your production integration, monitoring, security, and communication needs.
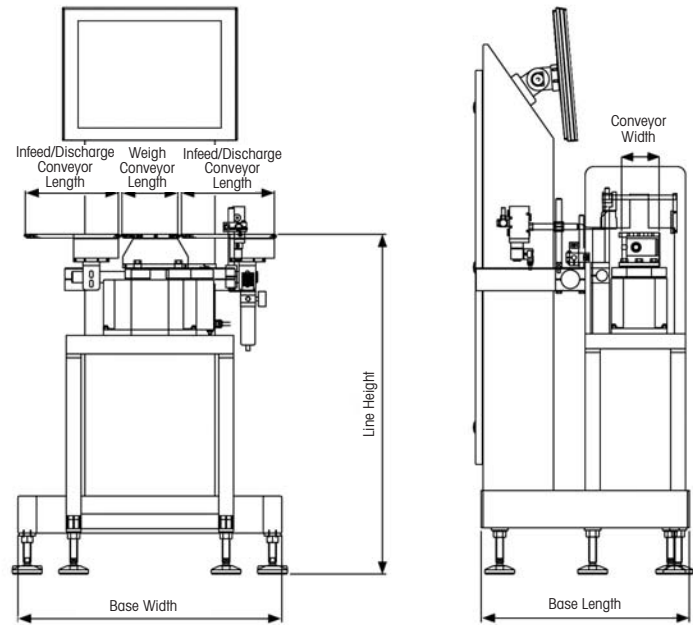
XS1 Standard Features
- Stainless Steel and Aluminum Construction
- Compact Design Integrates Easily into Production Lines
- METTLER TOLEDO EMFR Weigh Cell Technology
- Servo Controlled Infeed, Weigh, and Discharge Conveyors for Precise Speed Control
- One Air Blast Reject Device
- Ingress Protection to IP54 Specifications
- Variable Conveyor Height

XS Control
- Bright, High Contrast 15″ Diagonal Color Touch Screen User Interface
- 1280 x 960 Color Pixel Resolution
- Informative "Dashboard" Layout Featuring 23 Separate Fields for "At-a-Glance" Monitoring of Production Processes
- Industrial PC with Windows™ XPe Operating System
- Intuitive Menu Driven Navigation
- 200 Product Memory
- 5 Weight Classification Zones
- Multi-Level, Password Protected Security System
- Statistics Program for Monitoring of Production Results
- Supports 23 Languages

Options and Accessories
- 7 Weight Classification Zones
- 400 Product Memory
- Weight Data Interface: Serial or Ethernet TCP/IP
- Fieldbus Interface Modules (FIM) for: DeviceNet, ControlNet, Ethernet IP, and Profibus DP
- HI-SPEED OPC Server
- Ethernet TCP/IP Interface for METTLER TOLEDO Freeweigh.Net SQC Program
- Wide Variety of Production Monitoring and Control Options Including: Open Flap Detection, Mean Value Trend Monitoring, Fill Head Feedback, and Real Time Statistical Process Control (RTSPC)
- Conveyor Draft Shields and Reject Bins
- Product Handling and Transfer Mechanisms Including: Guide Rails, Transfer Plates, Motorized Side Grip Conveyors, Infeed Timing Screws, Nose Rollers, and Starwheels
- CFR21 Part II compliant, Windows Domain Login or Login Server
- Equipment Qualification Package (EQPac)

XS1 Typical Schematic

Technical Data	XS1		
Weighing Range, Specific to Article Weight*	Maximum Capacity 200 g		
Accuracy**	From ± 20 mg		
Throughput (Weighings/Minute)**	Maximum 400		
Line Height	550 – 1000 mm ± 30 mm		
Base Width	710 mm		
Base Length	560 mm		
Roller Diameter, Drive/Idle	10 mm / 6 mm		
Standard Sorting/Rejecting Device	Air blast		
Power	115/230 VAC, 50/60 Hz, Single Phase, ≥ 300 VA		
Weighing Conveyor Belt (mm)		Width	
		60	100
	Length 200	◆	N/A
	250	◆	N/A
	300	◆◆	N/A
Infeed/Discharge Conveyor Belt (mm)		Width	
		60	100
	Length 250	◆	◆
	400	◆	◆
	600	◆◆	N/A

◆ Standard
◆◆ Optional
N/A Not Available
* Depends on the design and dimensions of the weighing belt used
** Depends on the weight, dimensions, and transport of the product to be weighed

CE ISO 9001
PMMI

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For more information.