

TLW450 Dynamic Scale

Up To 11,000 Parcels An Hour



Easy Integration Into Any Sorting System

With a wide variety of configurations and options, the TLW450 fulfills system integrator requirements for easy integration. Select the material, height, width, length and location of the system to create a seamlessly integrated solution.



Increase Throughput by 30%

The flexible weighing point determines the optimal weighing point for each parcel, increasing throughput by up to 30%.



Performance in Tough Environments

Advanced filter technology minimizes weighing errors caused by vibrations typically found in high-speed sorting environments. Achieve accurate weighing results even in demanding conditions.



Fast Data Communication

A real-time controller manages the system and ensures high-speed data communication with the sorter. The data drop point can be configured based on sorting requirements.



Flexible, Accurate, Robust High-Speed Parcel Scales

Designed to fulfill the most demanding system integration requirements, TLW450 dynamic scales are designed for integration into any material handling system for revenue recovery, revenue protection, receiving and shipping.

State-of-the-art load-cell technology provides top weighing accuracy at high speeds while maintaining high throughputs. The scales can be combined with any dimensioner, camera or barcode reader and come with a wide range of options and configurations.

Technical data

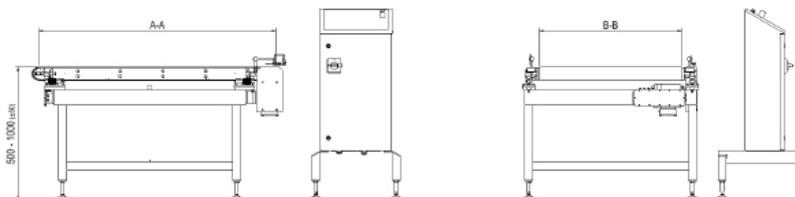
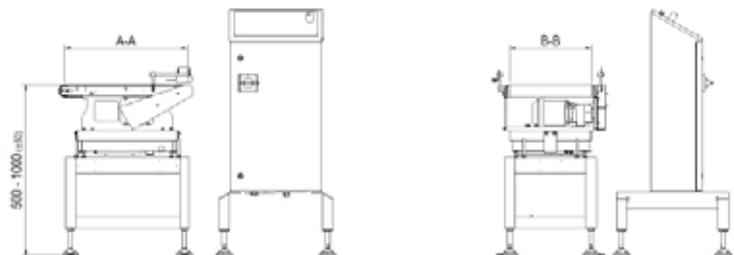
TLW450

Dynamic Parcel Weighing

Whenever parcels need to be weighed in-motion at high speeds, the TLW450 provides accurate, legal-for-trade results. The scales are fully configurable and can be tailored to meet individual operational or system integration needs.

Features and Benefits
Advanced filter technology stabilizes results in high-speed environments.
Flexible weighing point increases weighing throughput by up to 30%.
Full range of OIML Weights and Measures approvals guarantee data quality and compliance.
High-speed data communication with a real-time controller.
Configurable data drop position for sorting efficiency.
High-quality mechanical design for high performance in tough conditions.
Standard interfaces offer the possibility to standardize dimensioning, weighing and scanning solutions.
Customized data communication protocols for flexible integration.
Status messages and error codes give clear overview of system operation and alert to potential problems.
Multi-lingual weighing terminal for operator efficiency and cross-border installation and service.
Bright, high-contrast colour touchscreen display, 7" wide-screen, 800 x 480 px for clear display of data.

Options and Accessories
Customized interfacing options for data transmission
Control cabinet mounted on frame
Alibi memory storage
Dimension merging
Barcode merging
Weight range verification
Item IDs, counter and timestamp
In-feed/out-feed conveyor A-A/ B-B
Climbing weighing belts at angle of up to 20 degrees



Technical Specifications	TLW450 (60)	TLW450 (80)
Weighing range	0 – 40 kg	0 – 80 kg
Accuracy	± 5 g	± 10 g
Speed	90 m/min	180 m/min
Throughput	Up to 11,000 pcs/h*	Up to 8,800 pcs/h*
Roller centres, weighing conveyor (A-A)	600, 800, 1000 mm**	1000, 1200, 1500, 1700 mm**
Belt width, weighing conveyor (B-B)	300, 400, 500 mm**	500, 600, 800, 900, 1000, 1100 mm**
Voltage	230 V (AC), single-phase, 50/60 Hz, N, PE, ≥ 750 VA	230 V (AC), single-phase, 50/60 Hz, N, PE, ≥ 1200 VA
Standard Protocols	Mettler-Multi Range, Weight 8C	
Interfacing	Ethernet , Serial	
Load Cells	EMFR or DMS	

*Throughput will vary depending on parcel length and gapping.

**Other sizes available on request.

METTLER TOLEDO Service with global reach and tailored care solutions



MID, NTEP and Measurement Canada certificates
Compliant to health and safety regulations
Internet: <http://www.mt.com>
Worldwide service
Quality certificate ISO9001

www.mt.com/TLW450

For more information

Subject to technical changes
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