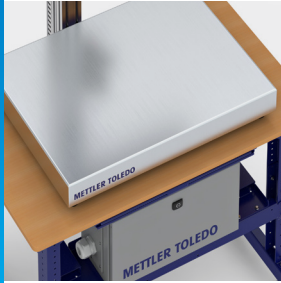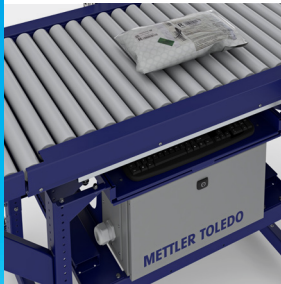# TLD850 Static Parcel Dimensioner
Cuboidal and Irregular Objects

High Efficiency in Manual Operations
A turn-key dimensioning, weighing and scanning (DWS) system for manual operations to capture weight, dimensions and barcode informations. Short measuring times, options for automated barcode reading guarantee maximum throughput.

Avoiding Manual Measuring
Approved on small items down to 20mm height, approved on cuboidal and irregular objects of known shape, capable to measure highly reflective and absorbent surfaces reduces manual handling to a minimum.

Measuring Accurate and Reliable
The TLD850 is LiDAR technology based. It is operating independent of ambient light and provides consistently accurate results.

Seamless System Integration
OCTO DataCapture Software running on the internal CPU making the data integration simple and the daily system's operation intuitive.

Robust Design for Harsh Environments
Solid design and a mature technology combined with our comprehensive service offering supports regulatory compliance, high performance and maximum uptime throughout the whole product life cycle.

Increase Productivity
Maximum Read Rate Performance, Maximum Throughput

The TLD850 is a compact and robust workstation designed to capture the dimensions, weight and barcode information of parcels and irregular shaped objects in manual operations. It provides maximum accuracy on all objects in parcel express and warehouse applications.

Efficient Operation
A fast measuring processes and high read rates reduce labor costs and keep the throughput high.

Integrated Data Capture Solution
The OCTO DataCapture Software running on the embedded CPU offers seamless system integration and versatile host communication.
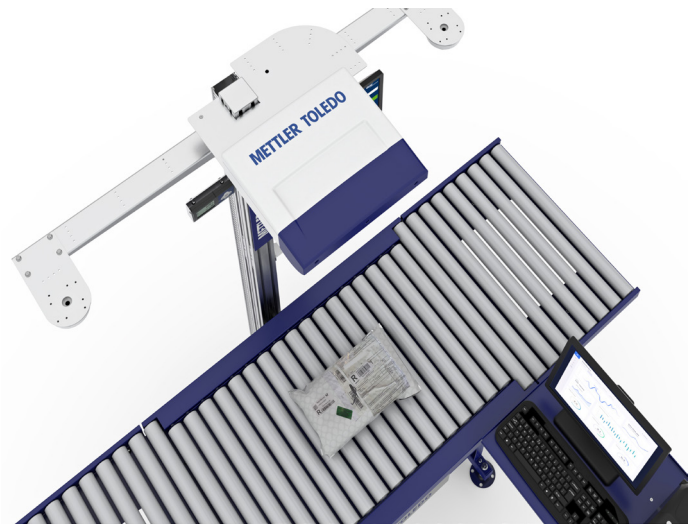
Robust Reliable Accurate
The dependable TLD850 speeds up manual operations, provides accurate measuring results for warehouse management and revenue recovery.

METTLER TOLEDO

Technical Data
TLD850 Static Parcel Dimensioner

Whenever there is a need for a robust Static Parcel Dimensioner with integrated scale and barcode reading functionality, the TLD850 is the most accurate and reliable solution on all type of objects.

General Technical Data

Approvals	MID, NTEP, Measurement Canada
Dimensioning Technology	Light Detection and Ranging (LiDAR) Laser technology
Dimensioning, Weighing and Scanning (DWS) System	Complete and robust workstation with dimensioner, scale and barcode reading options. Delivered with OCTO DataCapture Software for data merging and management.

Features and Benefits

LiDAR technology operating accurately independent of ambient light in any environment, providing widest dynamic range for maximum read rate on reflective and absorbent surfaces.
Industries highest accuracy to measure small objects down to 20 mm height.
Globally approved for revenue recovery, back charge prevention, and warehouse integrity management.
Display with weighing unit and symbols indicating the operation status, display and network status LEDs. Web interface for service and remote monitoring.
Approved to dimension cuboidals, cylinders, triangles and polybags to eliminate manual measuring.
Integrated CPU for a lean, compact and cost effective solution.
OCTO DataCapture Software as the one tool solution for simple device integration, data merging and data communication.
Rigid design, suitable for industrial environments for maximum system uptime and reduced costs of ownership.
Simple and self explaining user interface matching all METTLER TOLEDO dimensioning products.

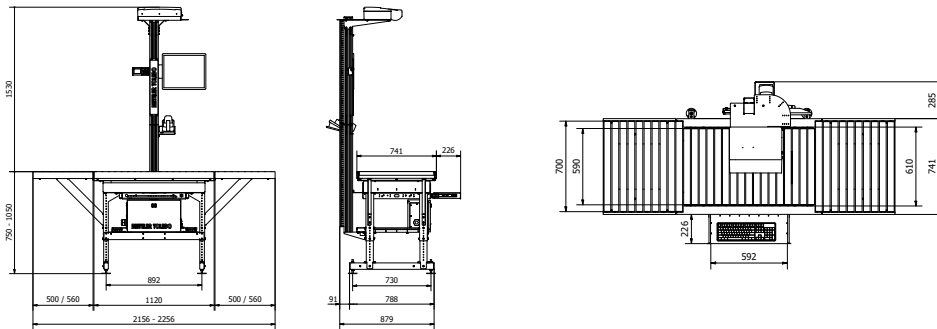**Options and Accessories – Mechanical/Electrical**

- Table top and roller top as a stand alone or as an integrated solution
- Roller extensions and height adjustable for a versatile mechanical integration
- Workstation including mechanics and accessories
- Top barcode reader for automated barcode reading
- Handheld barcode reader solutions (1D and/or 2D)
- Camera options for traceability
- Integrated alibi storage for legal-for-trade applications
- Upgrade kits to upgrade existing CSN810 systems to the TLD850 in a simple and cost effective way
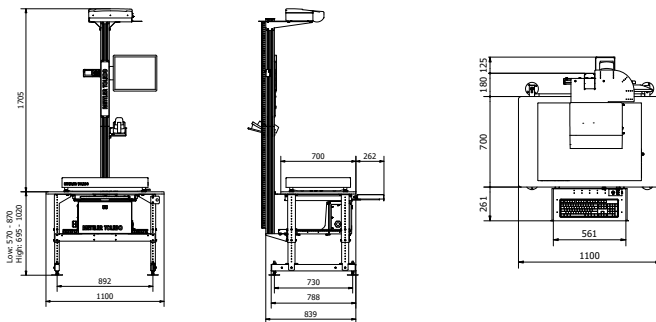
Other options and accessories available.

Dimensioning

Technical Data Continued
TLD850 Static Parcel Dimensioner

TLD850 Standard Roller Top

TLD850 Standard Table Top

Specifications	TLD850 Standard	TLD850 XL (Launch in 2024)
Approved Accuracy	5 x 5 x 2 mm (0.2 x 0.2 x 0.1 in)	
Minimum Object Size	50 x 50 x 20 mm (2.4 x 2.4 x 1.2 in)	
Maximum Object Size (Roller Top)	1000 x 600 x 840 mm (40 x 24 x 33 in)	1200 x 900 x 900 mm (48 x 36 x 36 in)
Maximum Object Size (Table Top)	1150 x 750 x 700 mm (45 x 30 x 28 in)	N/A
Approved Scale Resolution	Option 1: 20 g for 0 - 60 kg; Option 2: 50 g for 0 - 150 kg	
Minimum Weight	Option 1: 400 g; Option 2: 1000 g	
Maximum Weight	Option 1: 60 kg; Option 2: 150 kg	
Dimensioning Time	3 seconds	
Objects Throughput	450 pph	
Object Shapes	Cuboidals*, cylinders, triangles** and polybags (irregular known shapes)	
Object Surfaces	All surfaces	
Display	Host output, OCTO software, legal-for-trade (LFT) display, HDMI monitor	
Power Supply	24 VDC, 100 VAC to 240 VAC	
Connectivity	HDMI, 6 x USB, 2 x Ethernet, Tacho In, Tacho Out, Serial, Binary I/O	
Laser Class	Class II (2)	
Operational Temperature	-10 to 40°C (14 to 104°F), start condition 0°C (32°F)	
Sealing	Electronic sealing	

*Measurement Canada approvals only include cuboidals. **Triangles NTEP only.

www.mt.com/TLD850

For more information