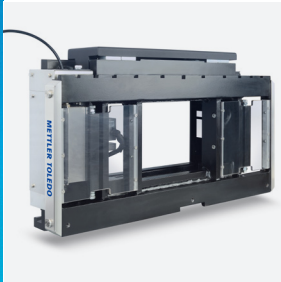# Pallet Dimensioning

TLD970 Pallet Dimensioner
Non-Stop, No Slow Down

No Restrictions
Forklift trucks can drive through the dimensioner from multiple angles - front or back or even in reverse. The large field-of-view eliminates the need to spend time positioning the forklift truck for measurement.
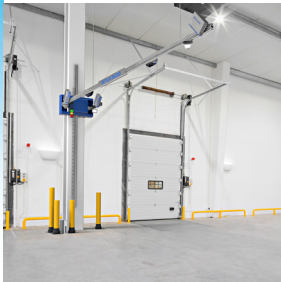
One Efficient Process
Most operations already use forklift scales for weighing. This practice can now be combined with dimensioning for one automatic process. This creates a complete data profile for every pallet handled.

Measure Any Pallet
Some dimensioners struggle to measure pallets covered with certain materials, or are unable to measure certain shapes in motion. The TLD970 can easily dimension pallets of all shapes, sizes and covered in any wrapping without stopping or slowdown.

Low-Cost Maintenance
Eliminate the need for multiple equipment types with a solution that does it all. With only one key component to dimension and measure both forklift speed and tilt makes the TLD970 easy and cost-effective to maintain.

100% Pallet Dimensioning
Increase Productivity Up to 70%

To keep efficiency at its peak, you need a pallet dimensioner that puts no restrictions on operations. The TLD970 requires no slow-down, measures trucks traveling at 10 mph, with no careful positioning or markings on the forklift truck or floor required. The TLD970 integrates so seamlessly into operations, you won't even know it's there.

Dynamic pallet dimensioning improves pallet handling efficiency by up to 70 percent. This reduces handling costs, increases revenue recovery and opens up the possibility for dimensional-weight pricing.

METTLER TOLEDO

Components
Tailored Solutions

Function

Dimensioning	4 x high-performance 900-S laser range-finder dimensioners.
Identification Options	2 x DS8110 laser-based barcode readers. Barcodes are fixed on the roof of the forklift truck.
	DRSC antenna using short-range microwave communication. The RSU is mounted on the top frame and a battery-operated RFID unit is mounted on the forklift truck.
System Status	Three-colored signal tower shows measurement status. An optional monitor displays pallet dimensions, status code, truck ID, sequence and pallet image.
Image Capture	2 x dome network cameras mounted on the frame to capture an image of each pallet.
Data Display	7" monitor displays length, width, height and volume of latest measurements. Data displayed is legal-for-trade.
Weighing	The TLD970 can be delivered with METTLER TOLEDO forklift scales.

Regulatory Compliance / Approvals

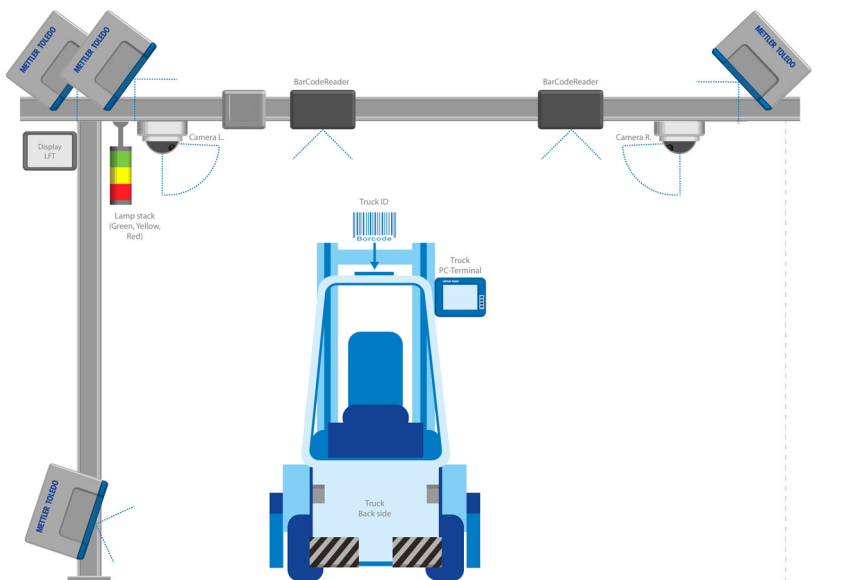|	
Light Source	Laser diode, red, wave length 660 nm
Laser	Class II (2)
OIML	R129 Compliant
Data Security	Certified Alibi Data Storage

Data Interfaces

Connectivity	Monitor (HDMI type) DVI-I, 6 x USB, 2 x Ethernet, Tacho In, Tacho Out, Binary I/O

Features and Benefits
No Measuring Restrictions

- Accurately measure any pallet – all shapes and surfaces
- Measure at speeds up to 10 mph
- Approach the system at an angle, forward or in reverse
- Out of the way of forklift traffic
- Immediate data processing
- No reflectors or markings to maintain
- Rugged and dust protected for tough industrial use
- Unaffected by heat, sunlight or humidity
- Easy installation in under one day
- One component for all measuring functions – minimal spare parts
- Easy integration with forklift scales

Weights and Measures approved for use legal-for-trade.
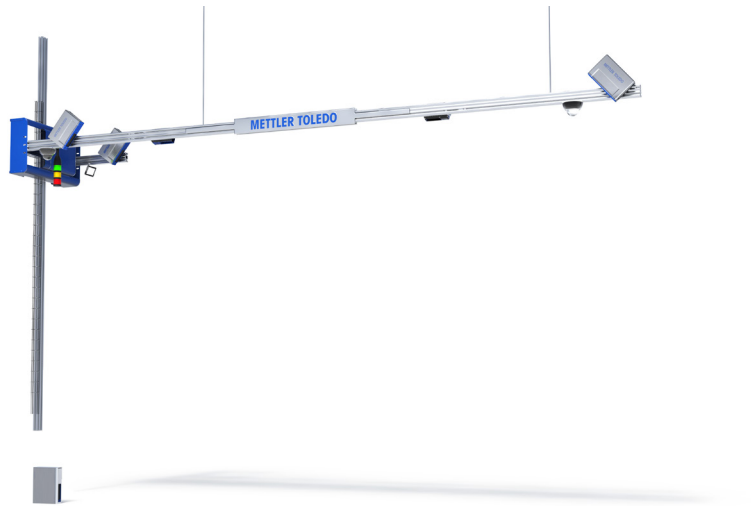
NTEP Certificate 18-021.

Simple Set-Up
Low Cost of Ownership

Patented Design

The smart, patented design takes full advantage of METTLER TOLEDO's best-in-class dimensioning technology to record all data needed for in-motion pallet measurement and forklift tare. One dimensioner performs multiple functions, reducing complexity and supporting low cost of ownership.

Watch the video to learn more **www.mt.com/TLD970**

Technical Data
System Specifications

Specification	
Shape	Any shape, carried by a forklift truck
Surface Characteristics	All surfaces
Maximum Object Size (L x W x H)	168" x 96" x 102"
Minimum Object Size (L x W x H)	12" x 12" x 6"
Dimensioning Accuracy (L x W x H)	± 1" x 1" x 0.5"
Throughput	Approximately 720 pallet per hour
Speed	2 – 10 mph
Operating Temperature	14 – 104°F
Power	100 – 240 VAX, 50/60 Hz, 3.0 A
Dimensioners	4 x 900-S
Forklift identification	Datalogic DS8110 / Norbit™ FZ58058
HMI	Dell
Configuration Options	
Custom interfaces	Yes
Imaging	Yes
Custom stand design	Yes

www.mt.com/TLD970

For more information