

CubiX

Innovation. Quality. Reliability. Service.

CubiX Dimensioning System

LTS Scale's CubiX cargo-dimensioning system uses advanced technology to measure the cubic volume displaced by a pallet of cargo. Data is captured and transmitted wirelessly in a format compatible with automated warehouse management systems. The NTEP-certified CubiX allows trucking and logistics companies to recapture lost revenue, optimize loads and document the condition and location of cargo to minimize freight disputes.

FAST, RELIABLE 3D IMAGING

- » CubiX captures 3D dimensions in approximately 2 seconds and returns to ready status within approximately 4 seconds. CubiX technology generates a point cloud representation of the precise dimensions of the measured cargo. If requested, a date/time stamped photograph can be captured for cargo verification.

SOFTWARE INTEGRATION

- » Featuring LTS Scale's proprietary software, the CubiX provides forklift operators with system status and the ability to trigger the system wirelessly using an onboard computer. Data is then transferred wirelessly either back to the triggering device to be packaged with other operating data or directly to the customer's warehouse management system.

INSTALLATION, MAINTENANCE AND SUPPORT

- » The CubiX is shipped in an easy-to-assemble kit and installed by an authorized LTS Scale distributor. With no moving parts, the system requires very little maintenance and can be serviced locally by your LTS distributor.



LTS Scale Company

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LTS Scale's CubiX TECHNICAL SPECIFICATIONS

Physical Specifications	
Length	106"
Width	106"
Height	24"
Construction	Steel and Aluminum
Performance Specifications	
Length Capacity	96"
Width Capacity	96"
Height Capacity	96"
Measurement Increment	L=1", W=1", H= 1/2"
Minimum L x W x H	18" x 18" x 18"
Protrusion Capture	L=3", W=3", H=2"
Lighting Conditions	Indoor Lighting Conditions
Data Capture Time	@ 2-4 seconds
Technical Specifications	
Dimensioning Devices	4 Infrared 3D Cameras
Connectivity	WIFI (Ethernet Available)
Data Output	IP Telegram (ASCII) (Customizable)
Image Output	JPEG
User Interface	Built Into Weight Scale GUI
Power Requirements	120 VAC
Operating Temperature	14° F to 104° F (-10° C to +40° C)
Humidity	Up To 90%, Non-Condensing
Certifications	NTEP Cert #17-037P
Photographic Camera	1 Camera
Administrative Access	Remote Access
Installation Specifications	
Ceiling Mounted	Rigid (typical)
Ceiling Height	14' Minimum
Sensor Height	12'
Open Floor Space	10' x 10'
Measurement Area	8' x 8'
Calibration	Guided 2 Minute Calibration
Warranty and Support	
Warranty	1 Year



Features

- > **Overhead Mounting:** The CubiX dimensioning system is ceiling mounted to minimize floor-level obstacles to forklift traffic.
- > **Comprehensive Measurements:** CubiX measures the most extreme dimensions of irregularly shaped cargo to solve for the true cubic volume displaced by the cargo.
- > **Wireless Connectivity:** CubiX is triggered wirelessly by forklift onboard computers and transmits volumetric data back to the triggering device or directly to the customer's warehouse management system.
- > **Compatible with most Surfaces:** Accurately measures all surfaces encountered with shipped cargo, including highly reflective and dark surfaces.
- > **Ease of Operation:** CubiX is triggered by the forklift operator through an intuitive user interface. Unit readiness and process completion indications are displayed on the CubiX status lights.

All specifications subject to change.