Automatic Dimensioning

CSN210 MassFlow™
For multiple touching parcel flows

Measures all objects
not just rectangular or cuboidal boxes. The CSN210 MassFlow™ provides the dimensions of the smallest rectangular box that will fit over the object and will measure items up to 3000 x 1800 x 920 mm

Mass flow touching objects
are measured as single items. The system measures and displays occupied volume and/or real volume of touching or non-touching items according to customer requirements.

High Accuracy
with proven PILAR™ Technology. A complete parallel light path is generated that scans and identifies all details of an object. This ensures that all packages are accurately and reliably dimensioned.

Easy, overhead mounting
allows for fast, cost effective installations. The system is easily integrated and can be added to an existing goods flow. The system comes in two different sizes to meet different operational needs.

Octo™
DataCapture

Embedded software
captures and merges product ID, dimensions and weight. Data can be used to form a database creating a unique profile for each object.

CSN210MassFlow™
Data Capture Solution

The CSN210 MassFlow™ is an unattended system for automatically collecting dimensions and identification of goods transported on a conveyor.

What sets the CSN210 apart from other dimensioners on the market is the cutting-edge PILAR™ technology. The parallel light path scans over each item, capturing all details with no risk of shadowing. This high-performance dimensioner measures almost any object shape in singulated or touching flow conditions.

Modular design means the system can be fully integrated with in-motion scales and barcode readers to fit the most demanding packing handling applications.

METTLER TOLEDO

Technical data
# CSN210 MassFlow™
Data Capture Solution

Features and benefits

- Accurately captures profile of almost any object
- Proven proprietary PILAR™ technology guarantees no shadowing
- Measures non-singulated and touching objects accurately
- Approved for touching known shapes. Classifies objects into shape categories.
- Accurately reports package data when stopped/started under field of view
- No minimum belt speed restrictions
- High throughput for maximum efficiency
- Measures over flat conveyors, cross-belts and tilt trays
- Can handle belt widths up to 1800 mm (72 in)
- Side-by-side package detection
- Determines position, angle and area occupied on conveyor for improved sorting
- Warning telegrams give object height and position to focus barcode readers
- Single head dimensioner with embedded application software eliminates the need for multiple components and simplifies integration
- OCTO™ software, easily configured to meet individual application needs
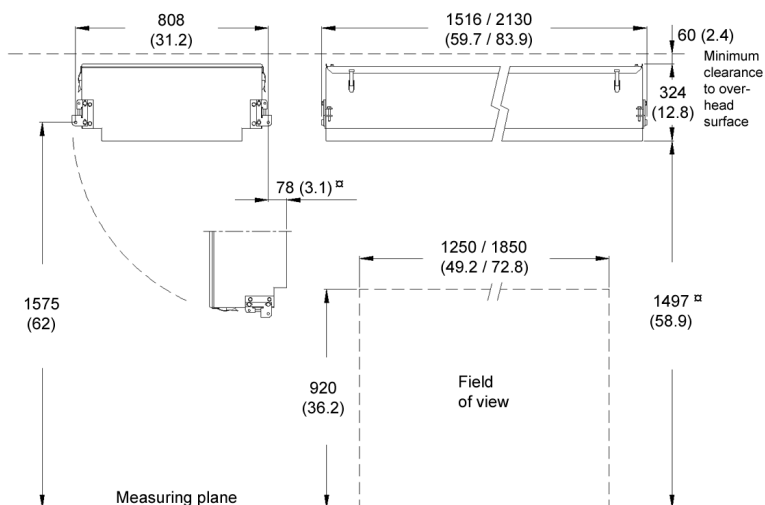
Specifications

Dimensioning accuracy [1]	Object length ≤ 3000 mm (120 in): ± 5 mm (0.2 in)
	Object length 3000 – 5000 mm (120 – 200 in): ± 10 mm (0.4 in)
Maximum size (LxWxH)	CSN210.2: 3000 x 1200 x 920 mm (120 x 48 x 36 in)
	CSN210.3: 3000 x 1800 x 920 mm (120 x 72 x 36 in)
Minimum size (LxWxH) [1]	Non-touching objects: 50 x 50 x 25 mm (2 x 2 x 1 in)
	Touching objects: 100 x 50 x 25 mm (4 x 2 x 1 in)
Belt speed	Up to 1.3 m/s (250 ft/min)
Belt direction	Forward and Reverse
Object flow	Singulated or touching (front-to-back, side-by-side)
Shape	Almost all shapes
Surface characteristics	Almost all surfaces
Orientation	Place most stable surface down
Spacing	None required
Operational temperature	0° to 40°C (32° to 104°F)
Power	115V 60Hz or 230V 50Hz
Laser type	Visible Class 2
Interface	RS232 / Ethernet

[1] If the instrument is used in Legal for Trade applications, this specification may vary. The dimensioner has been approved according to local recommendations.

Main components

Dimensioner	CSN210 in the specified size with CS2200 display
Bar code reader top	DX8200A high performance omni scanner
Bar code reader side/front	Multiple DS8100A's for optimal reading
Software	OCTO™ DataCapture Software

www.mt.com/dimensioning

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