CARGOSCAN

CS5200 MEASURING BEAM

Accurate Dimensioning for **Multiple Touching Parcel Flows**

Increase revenues, decrease costs and improve quality by accurately measuring the dimensions of parcels and objects.

Dimensioner	CS5200 Beam in the specified size
Bar Code Reader	Omni directional fixed position
Data Concentrator	Cargoscan Industrial PC
CSM InMotion Software	PC based software that efficiently directs the data collection process, collects the information and sends it to a host computer

The CS5200 Measuring Beam provides a fast, simple and accurate method for measuring your objects without invading existing conveyer systems. The CS5200 Measuring Beam is a Over-the-Belt-Dimensioner that use Cargoscan 's patented and well proven PILAR ® technology, offering you benefits such as:

- MEASURES ALL OBJECTS, not just rectangular or cuboidal boxes.
- MEASURES MULTIPLE, NON-TOUCHING ITEMS in imperfectly singulated systems. Measures and displays space occupied volume and/or accumulated real volume depending on customer requirements.
- MEASURES multiple TOUCHING rectangular items.
- HIGH ACCURACY - +/- 5 mm.
- 3 DIFFERENT SIZES to meet operational needs.
- EASY, OVERHEAD installation, allowing for fast and cost effective installations.
- Measures and displays space occupied volume and/or accumulated real volume depending on customer requirements.
- Operates at HIGH SPEEDS and can handle up to 30 000 items per hour.
- CERTIFIED OIML R129.
- Most common data interfaces available.

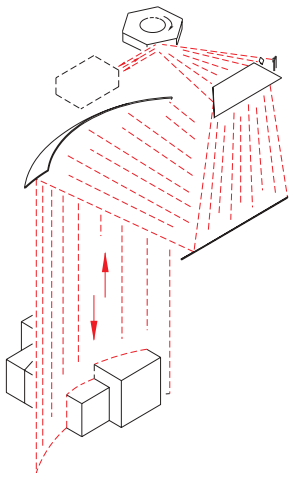
The CS5200 Measuring Beam data capture solution gives you a full-featured in-motion cubing and weighing system, perfected for high speed and high volume applications – the higher the volume all the more to gain. With this solution, you capture dimensions and identification on up to 30 000 items/hour, even in applications and transport hubs with multiple touching packages and non-cubical goods. The CS5200 Measuring Beam solution is also often used in cross belt and tilt tray sorters, where it provides the sorting system with the positioning data of each parcel or object on the conveyor.

< Complete Data Capture Solution with the CS5200 Measuring Beam

CS5200 Measuring Beam with PILAR® Technology

Precision	± 5mm (±0.2″) up to 75m/min (246ft/min)
Maximum object size (wxhxl)	CS5200.2: 120 x 92 x 250cm (48″ x 36″ x 98″) CS5200.3: 180 x 92 x 250cm (71″ x 36″ x 98″)
Minimum object size (wxhxl)	Non-touching objects: 50 x 25 x 50 mm (2″ x 1″ x 2″) Touching objects: 50x25x100 mm (2x1x4″) (Down to 15 mm (0,5″) height, dependent on background)
Parcel throughput	Up to 30 000 Parcels/objects per hour
Object speed	150m/min
Object shape	For non-touching applications under 110m/min (350ft/min): Objects of almost all shapes For touching objects and applications over 110m/min (350ft/min): Rectangular objects
Object spacing	None required. For non-touching: 25 mm (1″)
Object orientation	Place most stable surface down. No other restrictions.
Background	Measuring area must have a reflective surface. Highest part must define a level lane. Device verifies correct background.
Operational temperature	-10° to 40°C (14° to 104°F)
Voltage	230V 50Hz, or 115V 60Hz
Laser type	Class 1, unconditionally safe
Interface	RS232 / Ethernet

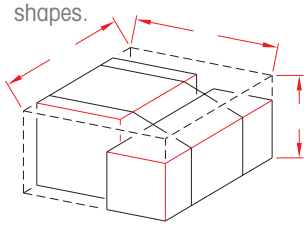
The Cargoscan PILAR® Technology



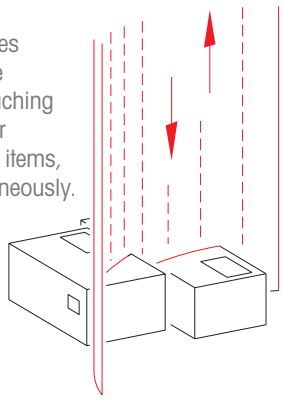
In 1995 Cargoscan introduced the PILAR® (Parallel Infrared LAser Rangefinder) technology. This technology uses a range finder with infrared light that measures hundreds of thousands of points looking at the object from the top. A complete parallel light path is generated that scans and identifies all the details on the object, even on touching and irregular objects. It's designed to withstand vibrations, draft and to work in all kinds of light and temperature environments, and is certified according to the OIML R129.
This makes dimensioning solutions based on the PILAR® technology very flexible, and the data is always accurate and reliable.

Paralell **I**nfrared **LA**ser **R**angefinder

Measures irregular shapes.



Measures multiple non-touching irregular shaped items, simultaneously.



Measures multiple touching rectangular items, simultaneously.