CARGOSCAN

C S 5 0 0 0   M E A S U R I N G   F R A M E

Accurate Dimensioning for **Singulated Flows of Parcels of All Shapes**

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

The CS5000 Measuring Frame provides you with all the revenue and cost benefits from knowing the exact dimensions of the items you handle, even in high capacity conveying and sorting systems. All data captured by the CS5000 Measuring Frame is transferred electronically to a computerized host where dimensional-based shipping charges quickly can be calculated. The CS5000 Measuring Frame is the perfect OEM product – it seamlessly integrates with any kind of conveyor system and adds value to standard sorting systems solutions.

The main features of the CS5000 Measuring Frame are:

- MEASURES ALMOST ANY OBJECT, not only cubical boxes.

- DETECTS IRREGULAR SHAPES or identifies two objects at the same time.

- FLEXIBILITY – choose the speed and size that meet your operational and financial requirements.

- HIGH ACCURACY – precision ± 5mm ((±0,2 ″) 3 sigma – even at very high conveyor speeds, up to 180 m/min.

- Operates at HIGH SPEEDS and can handle up to 15 000 items per hour.

- RESISTANCE to dust and dirt – Patented technology provides continuous operation, even in the most demanding environment.

- Available in DIFFERENT SIZES to meet operational needs.

- APPROVALS by Weights & Measures authorities around the world ensures reliable data

- Most common data interfaces available

Dimensioner	CS5000 Measuring Frame
Scale	In-motion, 100gr. to 100kg.
Bar Code Reader	Omni directional
CSM InMotion Software	PC based software that efficiently directs the data collection process, collects the information and sends it to a host computer

The CS5000 Measuring Frame solution is a highly mobile system, proven to function without interruption in solutions using hand held or overhead barcode readers and start-stop or in-motion scales. The CS5000 Measuring Frame is the perfect choice for new installations, or reorganisation of systems, and is usually delivered as a full system to medium sized terminals, larger sorting systems, as well as transportation hubs and large distribution warehouses.

< Complete Data Capture Solution with the CS5000 Measuring Frame

CS5000 Measuring Frame

Precision	± 5mm (±0,2")(3s)
Maximum object size (wxhxl)	96 x 96, 128 x 128 x 300 cm
Minimum object size (wxhxl)	100 x 50 x 2 mm (4" x 2" x 0,1")
Parcel throughput	Up to 15 000 parcels per hour
Object speed	Size 1 CS5000 100m/min. Size 2 CS5000HS 180m/min.
Object shape	Objects of almost all shapes
Object spacing	50mm (2")
Object orientation	Place most stable surface down. No other restrictions.
Operation	Measures objects automatically as they move through frame. No operator intervention required.
Operational temperature	-10° to 40°C (14° to 104°F).
Power supply	115/230VAC ±10%
Laser type	Class 1, unconditionally safe.
Interface	RS232 / RS422 / current loop

Cargoscan Light Curtain Technology

The light curtain technology, introduced and patented by Cargoscan in 1985 and used in the CS5000 Measuring Frame, is a well-proven technology for accurately measuring dimensions of all types of objects. It consists of a frame with emitters and receivers providing a curtain of infrared light. As the object is moved through the device on conveyors, the silhouettes are stored in a computer. This technology can measure all types of objects accurately, also at very high speeds. The technology is based on LED illumination, which eliminates the need for lamps or additional illumination, and makes the device independent of colour and texture of packages and conveyor belts.