

1000 mm CONTROL STATION WITH 3 AXES

INT01- CS1000-3AX

This control station can be used for measuring medium size parts by the line or in lab.

This design is suited for operator use with manual loading of medium size parts and automated scanning. The system can measure automatically multiple locations set by the operator in the beginning.

- Easy to use
- 3 axes scanning of the part
- Simple IHM and display of the measurements
- Simple save of the measurements (with sample or lot name reference)
- Simple output of the measurement (csv, txt formats or other industrial communication protocols)
- No laser danger for users: follows the specifications of IEC60825 as a Class 1 laser device
- Special laser safe window for following the measurement sequence



Dimensions	1700 x w1000 x h700 mm
Weight	100 kg
Power supply	100-240V 10A
Operating temperature	<40°C
Maximum size measurable (range of the axis)	450*450*300 mm

ARCHITECTURE



The 1000mm control station has a large area for positioning the parts manually and 3 axes for scanning them in the 3 dimensions.

The measurement is completely enclosed with a safe door mounted with a laser safe window. A screen allows the operator to parameter measurement sequences and follow the results.

WAY OF USE

Loading step

The operator opens the door, places the part into the measurement zone and closes the door.

Measuring steps

The operator parameters the sequence of measurement according to the dimensions and geometry of the part then launches the measurement. He can follow the measurement through the window and the results on the screen.

Unloading step

The operator opens the door and takes the part.

EXAMPLE OF SYSTEM MODE

This mode allows to enter a new part measurement pattern inside the system. The pattern can then be used in standard mode.

In this mode the system uses a user define pattern to make the measurements. It will measure the part loaded according to this pattern and return the thickness values.

LIST OF INCLUDED MATERIALS

- 3 axes system (XYZ)
- 3 axis variators
- Power supply
- Power supply management
- PC
- Enclosure
- Software
- Screen, mouse and keyboard