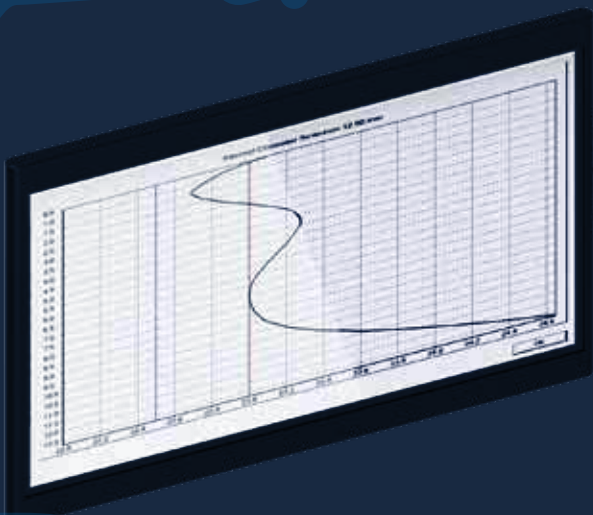


# IDSCAN

BORE DIAMETER AND  
INTERNAL PROFILE  
MEASUREMENT OF  
GLASS BOTTLES



**MARPOSS**

## DESCRIPTION

ID SCAN™ is a semi-automatic bench for measuring, automatically and without any mechanical retooling, bore diameter and internal profile of any kind of glass bottle requiring these measurements.

It is available in two versions:

### IDSCAN™ CE

to be used at the cold-end, in the QC lab or in production environment.

### ID SCAN™ HE

for the hot-end, to get immediate information, at production changeovers or periodically during a production run, to promptly adjust production parameters.

In order to achieve accurate measurements, IDSCAN™ uses a single contact tactile bore gauge, mounted on a rotating stage that can also travel in vertical direction.

The bottle neck is firmly hold during the measurement.

Measurable characteristics include:

- bore diameter at one or more programmable depths (no limit to the number of bore diameters to be measured)
- internal profile in vertical direction

ID SCAN™ HE integrates some additional features to withstand hot-end ambient conditions, and to allow the measurement of non-tempered glass bottles:

- a door to prevent the operator from being injured in case of bottle explosion
- a tray to collect and easily remove glass cullets generated by possible explosion of non-tempered bottles
- air-conditioner, to protect electrical components from high temperature
- special care has been taken to reduce irradiation impact on mechanical and electrical components
- the elements in contact with the bottle (supporting plate, grippers, bore gauge armset and contact) are made of material having low conductivity and radiation sensitivity.

The temperature of the container to be measured should not exceed 100°C.

## TECHNICAL DATA

Power supply	220 -240V AC
Measurable containers overall dimensions	Height 70-435 mm Body external diameter (or diagonal for non round containers) ≤ 190mm
Range of measurable bore diameters and profile	13-45 mm (max depth 70 mm)
Measurement repeatability (evaluated on the master)	≤ +/-0,01mm
Measurement time	From 30 sec. (depending on the number of bore diameters and profiles to be measured)
Ambient working temperature	ID SCAN™ CE: < 40°C ID SCAN™ HE: < 50°C





### MANUAL HANDLING AND AUTOMATIC OPERATION

The bottle to be measured is manually loaded on the supporting plate and the measurement cycle is managed fully automatically.



### SIMPLE TO USE

ID SCAN™ software is based on a user friendly software, derived from that of the VisiQuick™.



### MEASUREMENTS RESULTS

The results of bore diameter measurement are maximum, minimum and average values at the programmed depth, acquired during a complete rotation of the bore gauge.

A graphic showing the bore real shape is also available.

The result of the internal profile measurement is a graphic showing the diameter variation in the scanned area.



### MARPOSS QUALITY AND SUPPORT

ID SCAN™ takes advantage of Marposs knowledge and experience in the supply of precision measuring equipment for several Industries, as well as of its unrivaled worldwide sales and service organization.



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*For a full list of address locations, please consult the Marposs official website*

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