

VISIQUICK

FLEXIBLE MACHINE
FOR GLASS CONTAINERS
INSPECTION
ON SAMPLE BASIS



MARPOSS

VisiQuick™ is a totally flexible machine, suitable for accurate dimensional and geometric inspection of a large variety of glass containers having different size, shape and colour.

The range of measurable items includes food & beverage, perfumery & cosmetic and pharmaceutical containers.

It can be installed in a laboratory or close to the manufacturing line, at the cold end.

FLEXIBILITY

The VisiQuick™ can handle and measure all the containers included in the measurable range without any mechanical retooling.

MODULAR LAYOUT FOR CUSTOMIZED SOLUTIONS

The machine includes one or more measuring stations:

- external dimensions measuring station
- inside diameter and profile measuring station
- weight and push-up measuring station
- wall thickness measuring station
- labelling area profile measuring station

AUTOMATIC HANDLING

Containers to be measured, manually loaded on the input conveyor, are automatically handled inside the machine. A pick & place moves the containers from the input conveyor to the different measuring stations and, when the measuring cycle is finished, to the output conveyor.

Customized multi-conveyors solutions are also available.

The VisiQuick™ can be interfaced to the production line, in order to receive container samples automatically diverted.

SIMPLE TO USE

The VisiQuick™ software, installed in a powerful Industrial PC, provides a simple and intuitive user interface.

MEASUREMENTS RESULTS

For each measurement, max, min and average values are available.

INDUSTRY 4.0 READY: INTEGRATION WITH PRODUCTION MONITORING SYSTEM

The VisiQuick™ is fully integrated with Vertech SIL™.

Information about the batch of containers to be measured (article name, cavities sequence, measurements required, tolerances and other parameters), programmed on Vertech system are sent to the VisiQuick™, in the form of a file, to automatically generate the measurement recipe and configure the machine for the inspection of that specific article.

After the measurement of each container, results are delivered to Vertech system.

Communication protocols with other production monitoring systems is also available or can be developed upon request.

MARPOSS QUALITY AND SUPPORT

The VisiQuick™ takes advantage of Marpos knowledge and experience in the supply of precision gauging equipment for various Industries, as well as of its unrivaled worldwide sales and service organization.



inside diameter and profile measuring station



wall thickness measuring station





EXTERNAL DIMENSIONS MEASURING STATION

Dedicated to the inspection of external parameters on body and finish.

It includes two high resolution cameras with telecentric lens and collimated illuminator.

Available measurements include:

- Total height
- Verticality
- Bent neck
- Mouth parallelism
- Body parameters (e.g. diameter, long/short sides and diagonal on non-round containers, height of a given diameter, etc...)
- Finish parameters on any finish type (e.g. diameters, heights, angles, radiuses, etc...)



INSIDE DIAMETER AND PROFILE MEASURING STATION

Including a rotating/translating bore gauge to dynamically measure the mouth inside diameter, at different depths and internal profile.



WEIGHT AND PUSH-UP MEASURING STATION

Including an industrial scale and an ultrasonic sensor integrated in the same station.



WALL THICKNESS MEASURING STATION

Based on chromatic confocal technology.

Wall thickness measurements can be performed on horizontal sections, at different heights, during a complete rotation of the container.

It is also possible to perform glass thickness measurements along a vertical section.

Solutions are available either for round or for square/rectangular shaped containers.

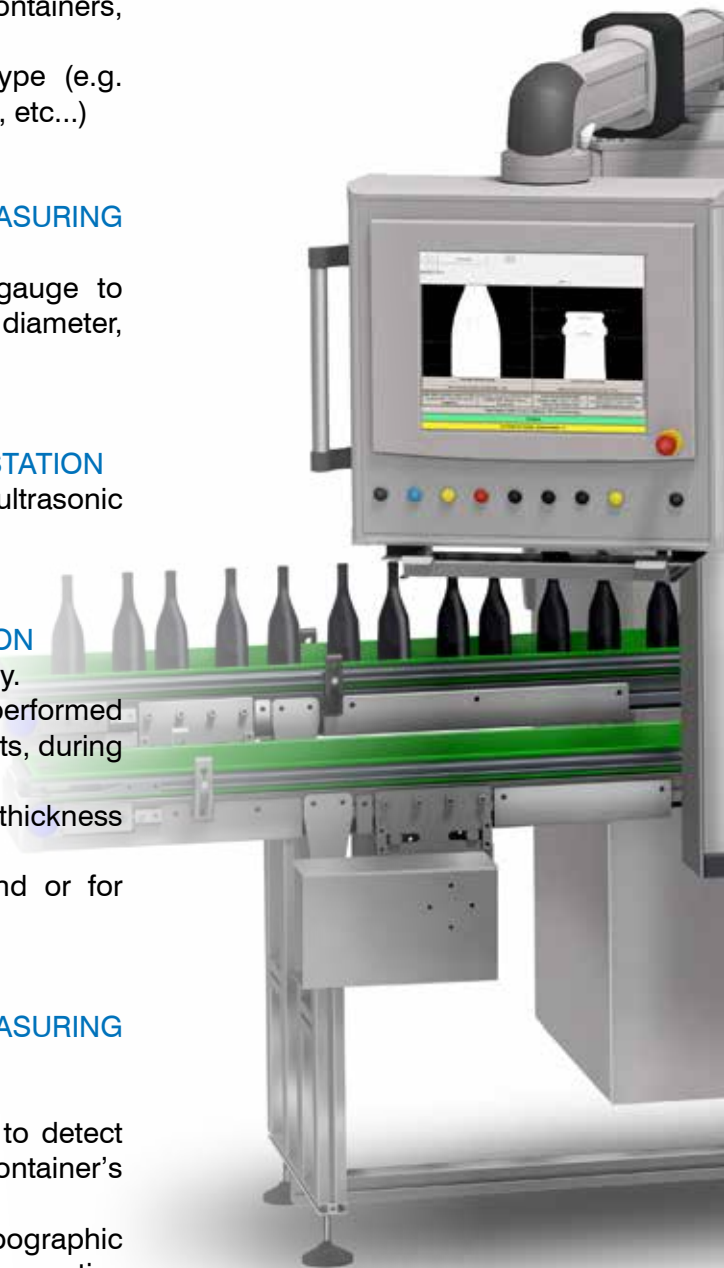


LABELLING AREA PROFILE MEASURING STATION

(patent application filed)

Based on optical technology, it allows to detect and measure sinks and bulges in the container's labelling area.

As a result of this measurement, a topographic map is available, reporting positive and negative deviations with respect to the nominal straight profile.



every measure is possible



any container can be measured

The range of measurable items includes food & beverage, perfumery & cosmetic and pharmaceutical containers.

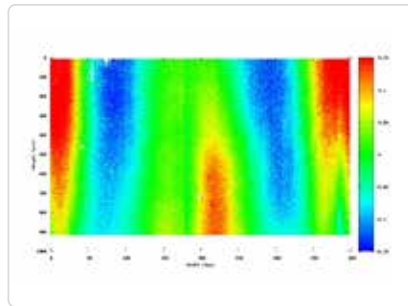


technical data

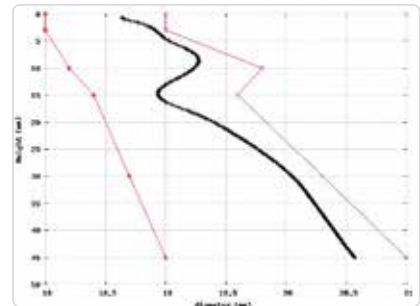
Measurable containers dimensions	Height \leq 435 mm Body diameter or diagonal \leq 190 mm
Inside diameter	From 13 mm to 45 mm without retooling (up to a depth=70 mm) Other ranges upon request.
Push-up	\leq 60 mm
Weight	\leq 2 Kg
Wall thickness	\leq 8 mm
Labelling area profile	Inspection height \leq 180 mm
Throughput	Depending on the machine model and measuring stations configuration. Up to 120 containers/hour



HMI

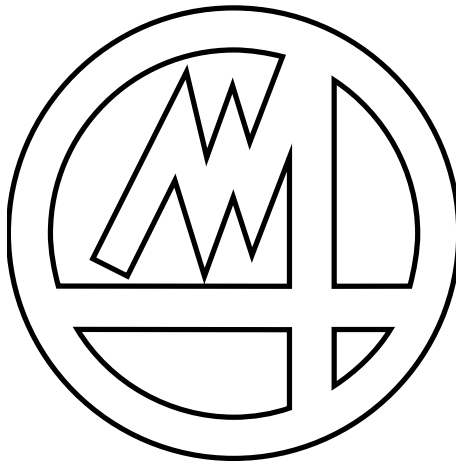


labelling area topographic map



mouth internal profile graphic





MARPOSS

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

D6G00400G0 - Edition 06/2023 - Specifications are subject to modifications © Copyright 2018-2023 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS, logo and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications.

Some of the items supplied by Marposs S.p.A., or parts of them, may be subject to export control if exported outside the European Union, or may be subject to restrictive measures adopted by the competent national, supranational or international authorities. Buyer of the items delivered by Marposs S.p.A. shall comply with all applicable export control and sanctions laws and regulations.