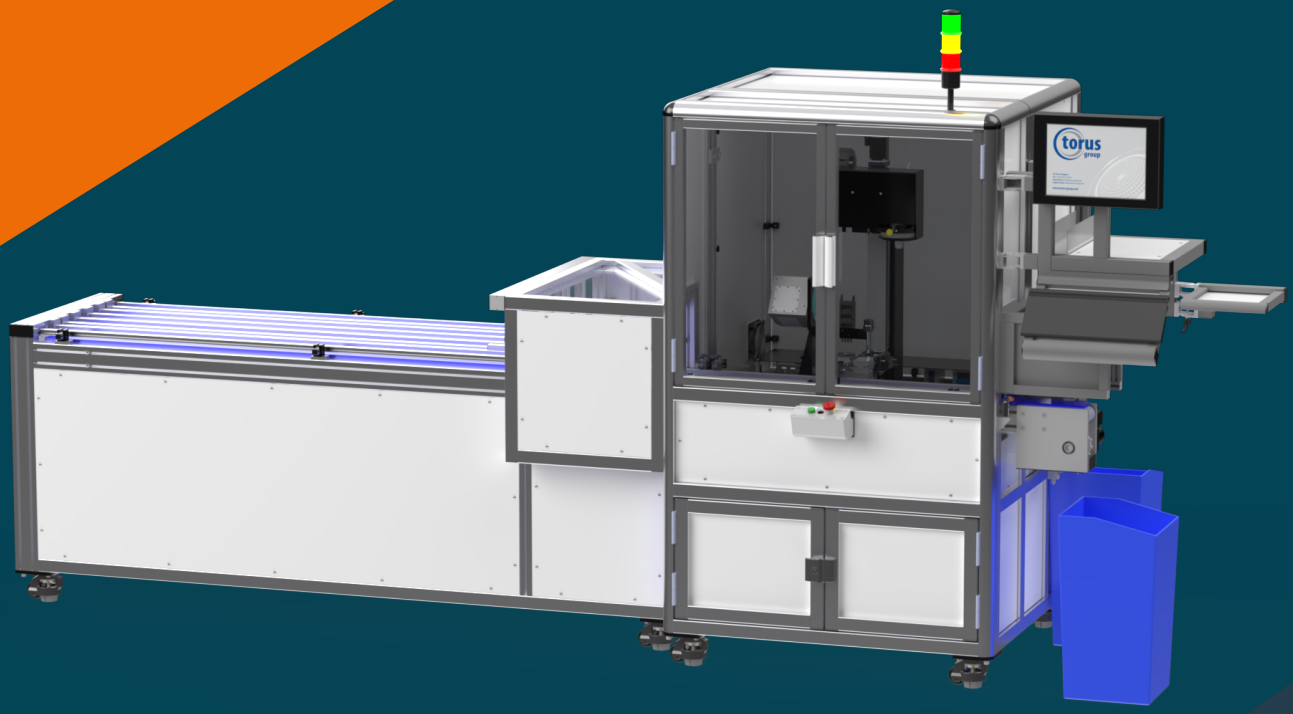


Automatic 2 Piece Bottle Can Inspection Gauge

Z702

INDUSTRIAL PHYSICS

Protecting
Product Integrity

Automatic 2 Piece Bottle Can Inspection Gauge

Brought to you by Torus, the Z702 Automatic Bottle Can Inspection Gauge has been developed to inspect all the critical dimensions of a 2 piece aluminvum bottle.

Unlike other vision based technologies, a collimated light source combined with a high-resolution camera and lens generate a high resolution image of the bottle centreline, from which precise form data is collected using Torus' GaugeXplorer software.

Completely Modular

Our modular gauge setups are unique and allow you to customize your gauge as and when you require, giving you the flexibility to ensure you have a total quality solution.

1. Multi-Lane Input Conveyor

- Lane capability typically 24 x 211 body diameter
- Single lane - 6 options available
- Automatic in-line configuration for each lane available

2. Body Maker Recognition Module

- For in-line testing
- Detects bodymaker ID prior to measurement cycle to allow for bodymaker tracebility

3. Finished Bottle Weight Module

- Determines bottle weight
- Meets industry standard
- Resolution: 0.001g

4. Axial Load Module

- Determines the maximum axial load force which can be applied prior to bottle failure
- Accuracy: +/- 10N

Technical Specification:

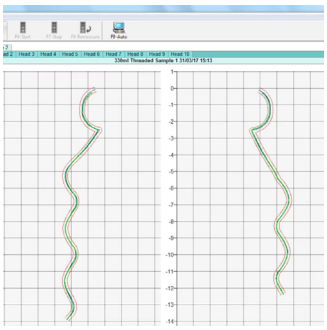
System Body Diameter	Ø 202 - Ø 211
System Bottle Height	80 mm - 250 mm
System Thread	5 mm - 66.6 mm
System Plug Diameter	18 mm - 32 mm
Power	100 - 240 Volts / 50 - 60 Hz
Compressed Air	5 bar / 73 PSI
Weight	950 kg
Dimensions	(W) 4010 mm x (H) 1802 mm x (D) 1217 mm

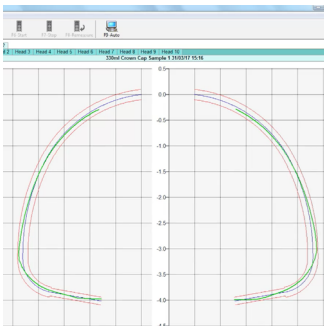
Measurement Features:

Optical features:	Acurracy:
Diameters	+/- 0.030 mm
Height	+/- 0.030 mm
Pitch	+/- 0.030 mm
Depth	+/- 0.030 mm
Intersections	+/- 0.030 mm
Angles	+/- 0.030 mm
Contact features:	**Acurracy:**
Internal Diameter	+/- 0.030 mm
Overall Height	+/- 0.030 mm

Benefits:

- Fast cycle time
- Utilises non-contact with traditional contact, flexible design
- Automatic 'Find Thread Start' capability for threaded bottles
- No operator influence on measurement results
- Visual 'Form Fit' function





Ordering Information:

Article Number	Article Description
Z702	Automatic 2 Piece Bottle Can Inspection Gauge

Disclaimer
The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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