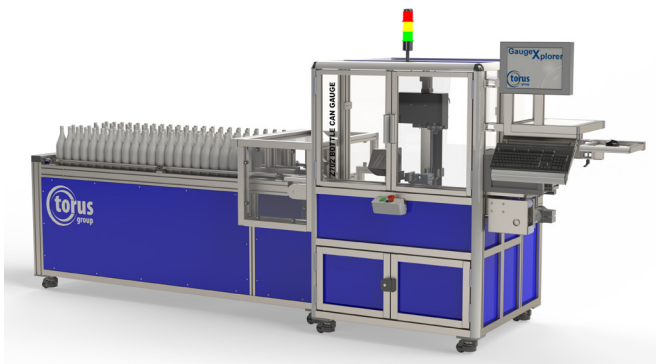


# Z702 Automatic 2 Piece Bottle Can Inspection Gauge

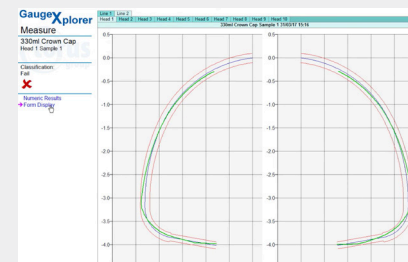


The Torus Z702 Automatic Bottle Can Inspection Gauge has been developed to inspect all the critical dimensions of a 2 piece aluminium bottle.

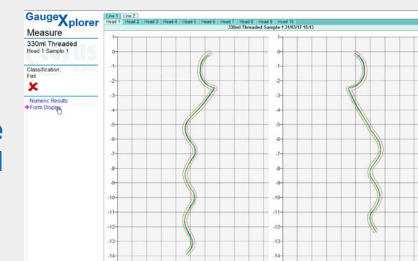
Using state-of-the-art optical measurement technology, critical dimensions on the body or thread and cap areas can be obtained quickly without operator intervention.

### How it works

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.



Crown Cap Form Fit Visual



Threaded Bottle Form Fit Visual

### Measurement Features:

Feature	Accuracy
<b>Optical Features:</b> Includes: Diameters, Heights, Pitch, Depth, Intersections, Angles	+/- 0.030 mm
<b>Contact Features:</b> Internal Diameter and Overall Height	+/- 0.030 mm

Other features available upon request

### Technical Specification:

Capabilities	Typical Range
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

**ELECTRICITY**  
100-240 Volts / 50-60 Hz

**COMPRESSED AIR**  
5 bar / 73 PSI

**WEIGHT**  
950kg

**DIMENSIONS**  
(W) 4010mm x (H) 1802mm x (D) 1217.5mm

### Benefits to your business

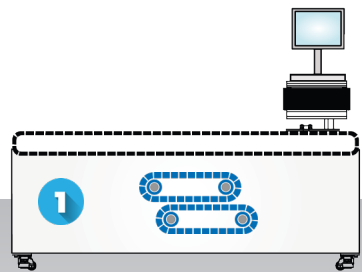
- Utilises non-contact with traditional contact, flexible design
- Automatic 'Find Thread Start' capability for threaded bottles
- Fast cycle time
- No operator influence on measurement results
- Visual 'Form Fit' function

[Click here to view the video](#)



# Customise your Gauge

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



**1** Start with the standard **Z702 Automatic 2 Piece Bottle Can Inspection Gauge**

**2** Add any of the below optional modules at any time.

**1 Multi-Lane Input Conveyor**

- Lane capability typically 24 x 211 body dia. can
- 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 traceability

**3 Z702 Automatic 2 Piece Bottle Can Inspection Gauge**

- **Optical Features:** Includes Diameters, Heights, Pitch, Depth, Intersections, Angles
- **Contact Features:** Internal Diameter and Overall Height

**4 Finished Bottle Weight Module**

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

**5 Axial Load Module**

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