Product Information Sheet

Z302 Semi-Automatic Finished Can Inspection Gauge

ELECTRICITY
100-240 Volts / 50-60 Hz

COMPRESSED AIR
5 bar / 73 PSI

WEIGHT
450kg Max

DIMENSIONS
(W) 1390mm x (H) 1780mm
(L) 1520mm

The gauge features high-precision transducer technology, using dedicated probe contact for accurate, reliable and traceable measurement of your finished cans 24/7.

An additional option is available for component rotation to enable additional radial measurement positions, giving you significantly increased measurement data allowing increased data analysis for instant process control.

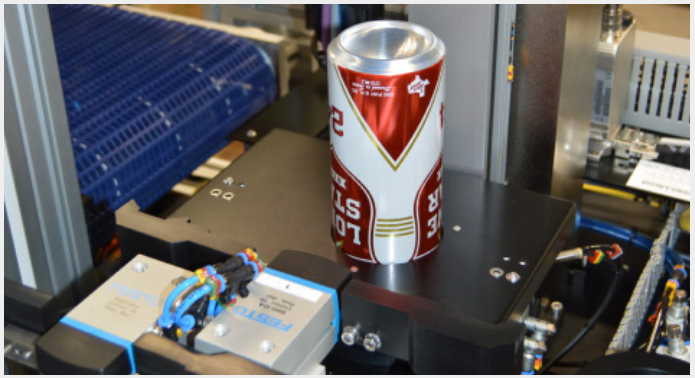
Measurement Features:

Feature		Accuracy
Finished Can Height	3 positions	+\- 0.010 mm
Flange Width	4 positions	+\- 0.010 mm
Internal Neck Diameter	2 positions	+\- 0.010 mm

Technical Specification:

Capabilities	Typical Range
Can Range	202 - 307 body diameters
Can Materials	Aluminium/Steel
Can Height Range	87 - 210 mm
Can Flange Width Range	1.5 - 2.5 mm
Can Internal Neck Dia. Range	200 - 209 neck diameters

Repeatability Performance Data - available upon request



Benefits to your business

- Speed and accuracy
- Confidence in your production process
- Modular concept to cater for future upgrades
- Cost-effective upgrade path for additional modules to be added
- Future upgrade path to automatic

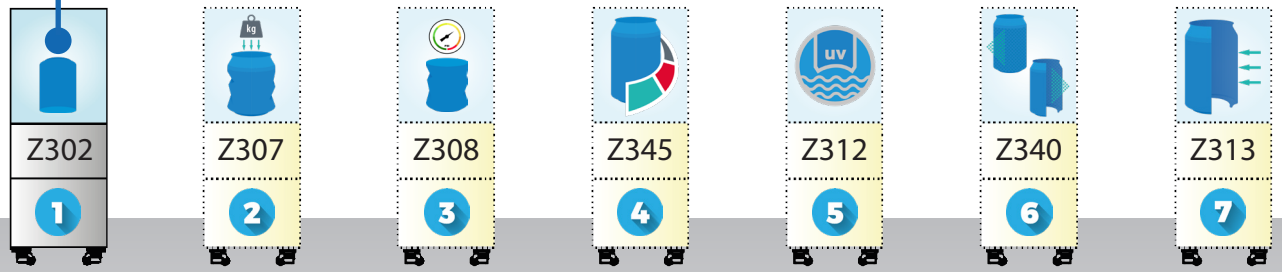
Click here to view the video

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.

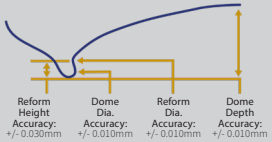
1 Start with the standard **Z302 Finished Can Inspection Back End Gauge**

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



1 Auto Can Rotation/Reform Scanning Tooling

- Increased measurement data for multiple radial positions
- For reform measurement



2 Axial Load Module

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

3 Dome Growth/Dome Reversal Module

- Provides detailed information about the overall change in length of can when pressure is applied and subsequently removed
- **Accuracy:** +/- 0.10mm
- **Accuracy:** +/- 0.05 bar

4 Colour Inspection Module

- Quantifiable colour measurement via the industry recognised X-Rite Ci64
- Barcode verification option

5 Vision Module (For more information see Z312)

- Quality percentage of UV Base RIM Coat (BRC) lacquer presence
- Optional Z312 Vision Module available for internal spray gun recognition (ISG)

6 Lacquer Distribution Module (Visible/NIR)

- Internal/External Lacquer Distribution, finished and straight walled. **Accuracy:** +/- 0.0002mm
- Base RIM Coat (BRC) - (manually loaded tooling) **Accuracy:** +/- 0.0004mm
- Reverse Wall Lacquer Distribution (manually loaded tooling) **Accuracy:** +/- 0.0004mm

7 Enamel Rating Module

- High accuracy "rating" system - **Accuracy:** +/- 0.1mA
- Hi-Res system - **Accuracy:** +/- 0.02mA

Torus Measurement Systems Ltd | Nedge Hill Science Park, Telford, TF3 3AJ, UK **| Tel:** +44 (0) 1952 210 020 **|** sales@torus-group.com
Torus Americas, Inc | 150 Capital Drive, Suite 340-350, Golden, Colorado, 80401, USA **| Tel:** +1-303-384-0279 **|** tai.sales@torus-group.com **|** www.torus-group.com