

Z302 Automatic Finished Can Inspection Gauge



Also available in
Floor-Standing Semi-Automatic

**ELECTRICITY**

100-240 Volts / 50-60 Hz

**COMPRESSED AIR**

5 bar / 73 PSI

**WEIGHT**

670kg Max

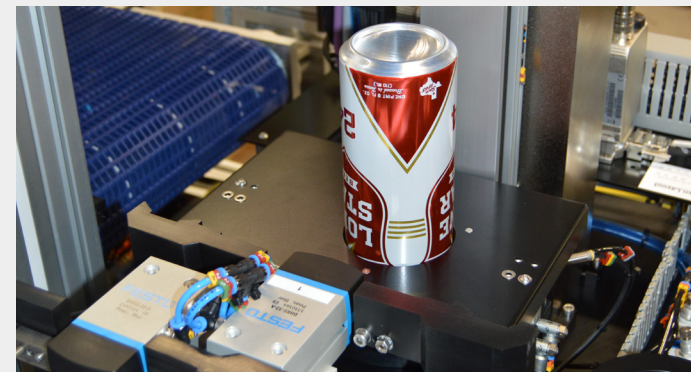
**DIMENSIONS**

(W) 1615mm x (H) 1833mm

(L) 3427mm (with 4 lane conveyor)

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
- › Fully-automated, removing operator bias
- › In-line ready, ideal for wall-to-wall plants, significantly increasing throughput and data collection



Customise your Gauge

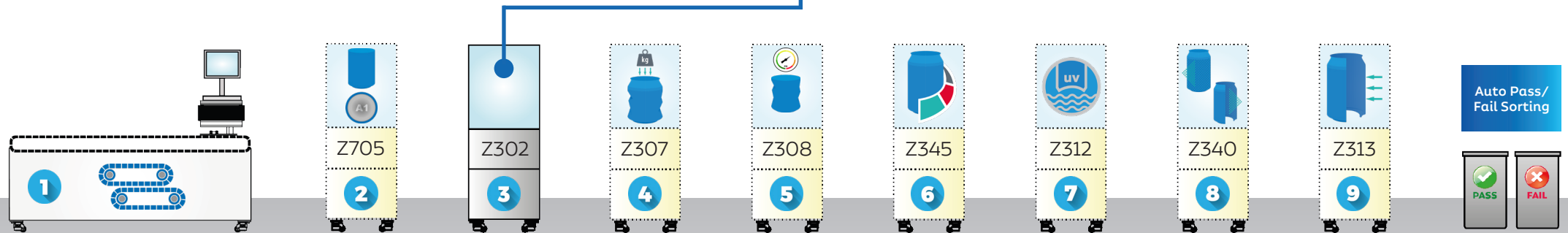
Our modular gauge setups are unique and allow you to customise your gauge as and when you require, giving you the flexibility to ensure you have a total quality solution.

1

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

2

Add any of the below optional modules at any time.



1

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

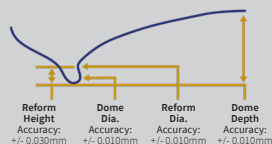
Body Maker Recognition Module

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

3

In-Cycle Calibration/Auto Can Rotation/Reform Scanning Tooling

- For in-line inspection
- Increased measurement data for multiple radial positions
- For reform measurement



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Axial Load Module

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

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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

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Colour Inspection Module

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

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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)

8

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

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Enamel Rating Module

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