

Z301 Automatic Trimmed Can Inspection Gauge



Also available in
Floor-Standing Semi-Automatic

**ELECTRICITY**

100-240 Volts / 50-60 Hz

**COMPRESSED AIR**

5 bar / 73 PSI

**WEIGHT**

620kg Max

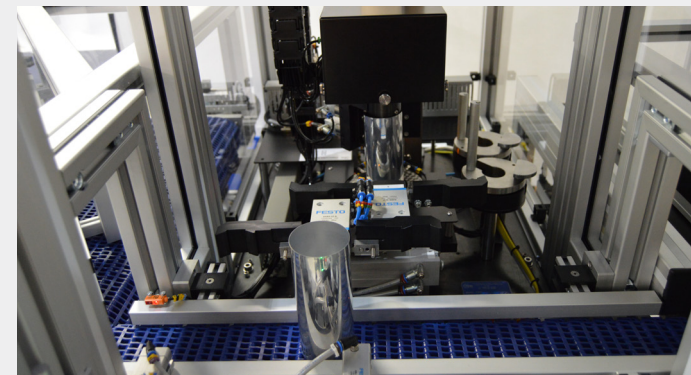
**DIMENSIONS**

(W) 1615mm x (H) 1833mm

(L) 3427mm (with 4 lane conveyor)

The gauge features fixed-top and mid-wall probe positions for multi-positional radial measurement, with a dedicated caliper to ensure the correct top and mid-wall thickness measurement position every time.

The proven contact measurement technology ensures accurate, reliable and traceable measurement 24/7.

**Measurement Features:**

Feature		Accuracy
Trimmed Can Height	1-16 positions	+/- 0.010 mm
Top Wall Thickness	1-16 positions	+/- 0.001 mm
Upper Mid Wall Thickness	1-16 positions	+/- 0.001 mm
Lower Mid Wall Thickness	1-16 positions	+/- 0.001 mm
Wall Step		
Dome Depth	Single Point	+/- 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 Dome Depth Range	9 - 13 mm
Can Wall Thickness Range	0 - 1 mm

Repeatability Performance Data - available upon request

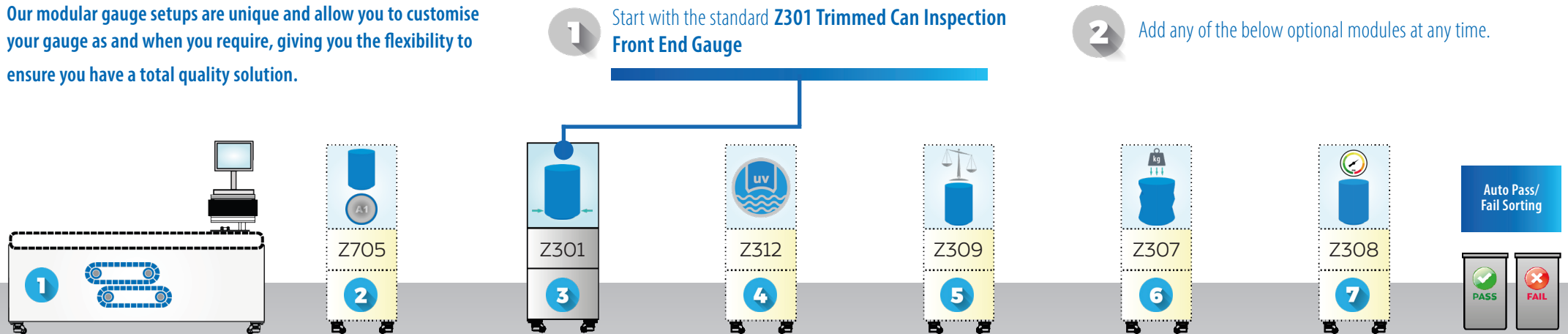
Benefits to your business

- 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 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 Additional Options

- **In-Cycle Calibration module** - for in-line inspection
- **Outer Body Dia. Inspection module** - 1-8 rotational positions
- **Accuracy:** +/- 0.025mm

4 Vision Module (For detailed information see Z312)

- Quality percentage of UV Base RIM Coat (BRC) lacquer presence

5 Trimmed Can Weight Module

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

6 Axial Load Module

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

7 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