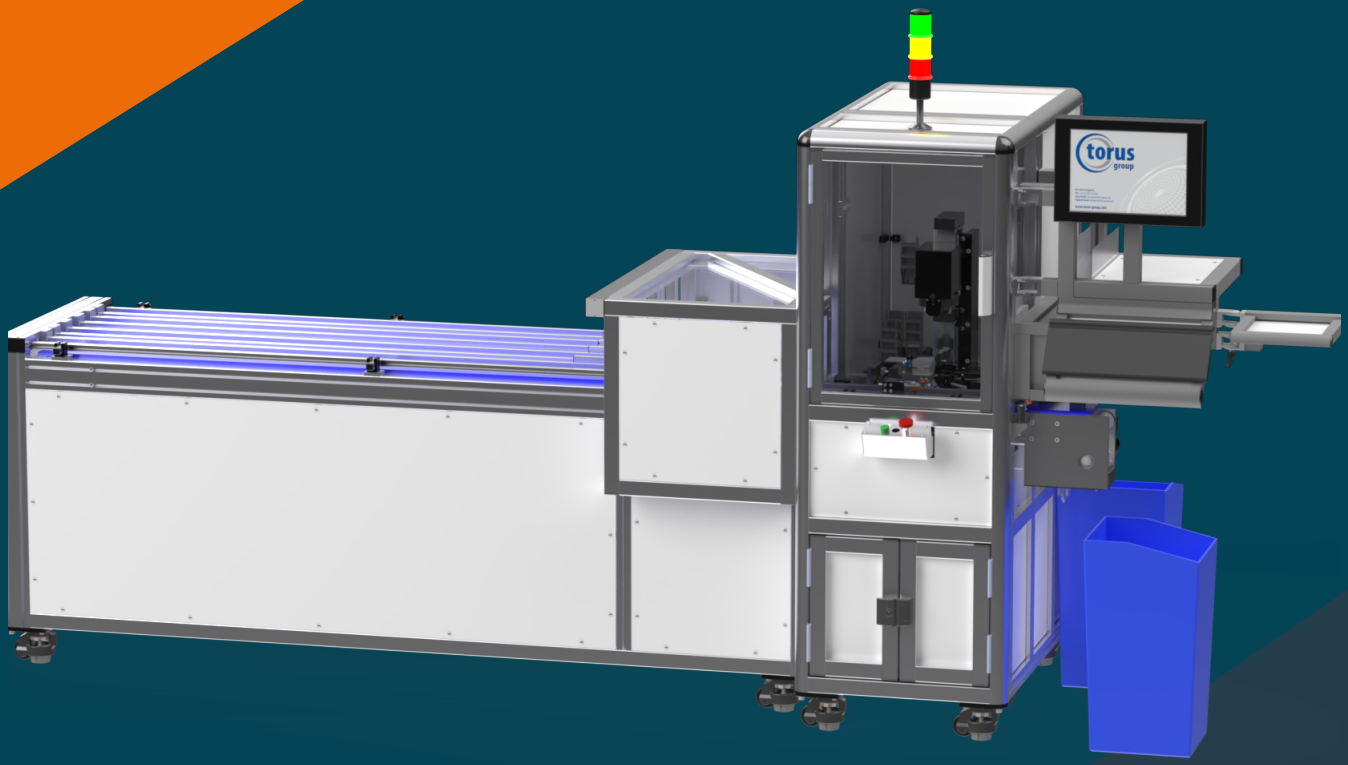


Automatic Finished Food Can Inspection Gauge

Z304

INDUSTRIAL PHYSICS

Protecting
Product Integrity

Automatic Finished Food Can Measurement Gauge

Brought to you by Torus, the Z304 gauge features high-precision transducer technology, using dedicated probe contact for accurate, reliable andtraceable measurement of your finished cans.

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.

The gauge is also available as a Floor-Standing Semi-Automatic version.

Technical Specification:

Can Range	ø 211 - ø 307 body diameters
Can Materials	Aluminum / Steel
Can Height Range	87 - 210 mm
Can Flange Width Range	1.5 - 2.5 mm
Can Neck Diameter Range	ø 200 - ø 209 body diameters
Power	100 - 240V / 50 - 60Hz
Compressed Air	5 bar / 73 PSI
Weight	635 kg Max.
Dimensions	(W) 3427 mm x (H) 1614 mm x (L) 1060 mm (with 4 lane conveyor)

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.

Add any of the 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. In-Cycle Calibration / Auto Can Rotation

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

3. Finished Can Weight Module Z309

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

4. Axial Load Module Z307

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

5. Panel Resistance Module Z306

- Determines maximum panel resistance vacuum pressure the can will be able to achieve prior to failure
- Accuracy: +/- 0.5 PSI

6. Lacquer Distribution Module (Visible / NIR) Z340

- Internal Lacquer Distribution, finished and straight walled
- Accuracy: +/- 0.0002mm

7. Enamel Rating Module Z313

- High accuracy “rating” system - Accuracy: +/- 0.1mA
- Hi-Res system - Accuracy: +/- 0.02mA

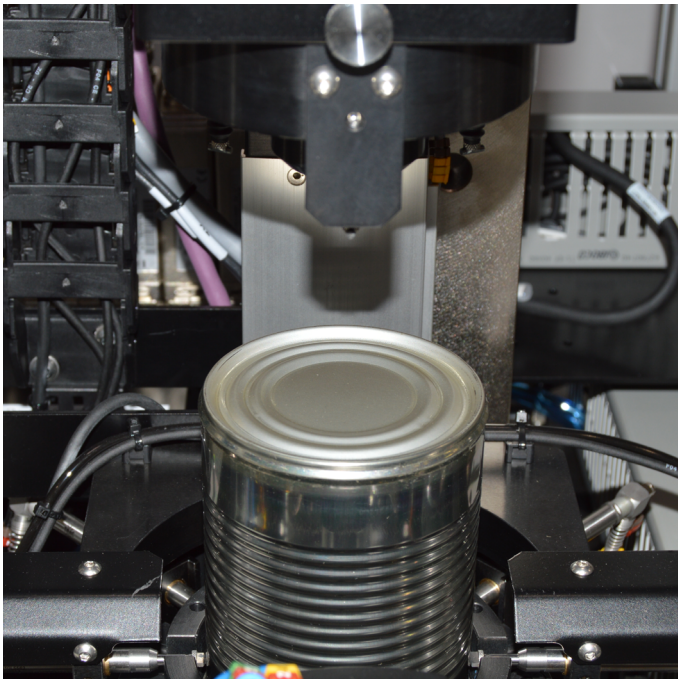
Measurement Features: (Finished Can)

Flanged Can Height	Accuracy: +\- 0.010 mm
Finished Can Height	Accuracy: +\- 0.010 mm
Flange Width	Accuracy: +\- 0.010 mm
Bead Depth	Accuracy: +\- 0.010 mm
Roll Bead Diameter	Accuracy: +\- 0.010 mm
Roll Bead Position	Accuracy: +\- 0.025 mm
Bead Symmetry	Accuracy: +\- 0.025 mm

Repeatability Performance Data - available upon request

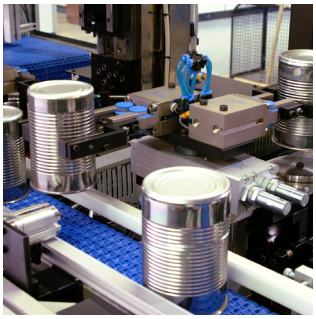
Ordering Information:

Article Number	Article Description
Z304	Automatic Finished Food Can Inspection Gauge



Benefits:

- 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



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