



Automatic Shell Inspection Gauge

Z401

Automatic Shell Inspection Gauge

Brought to you by Torus, the Z401 Shell Inspection Gauge defines the standard for dimensional inspection of beverage can shells.

Each shell to be inspected is automatically collected from a 'stack' and loaded into the gauging module with an integrated pick and place system.

The measurement cycle is then initiated via the PC running the TMS GaugeXplorer Measurement and Machine Control software.

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

Measurement Features:

Unit Depth	Accuracy: ± 0.005 mm
Countersink	Accuracy: ± 0.005 mm
Panel Depth	Accuracy: ± 0.005 mm
Curl Diameter	Accuracy: ± 0.005 mm
Curl Height	Accuracy: ± 0.005 mm
Curl Opening*	Accuracy: ± 0.025 mm
Inner Curl Diameter	Accuracy: ± 0.025 mm
Average Metal Thickness	Accuracy: ± 0.005 mm

*Curl Opening feature not supported on CDL type shells
Repeatability Performance Data - available upon request

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Technical Specification:

Shell Material	Aluminum
Shell Stages	Pre-Curl, Form, Finished
Shell Body Diameter	Ø 200 - Ø 206
Power	100 - 240V / 50 - 60Hz
Compressed Air	5 bar / 73 PSI
Weight	430 kg
Dimensions	(W) 1270 mm x (H) 1729 mm x (D) 1000 mm

Benefits:

- Fast and accurate measurement data
- No change parts
- Can be supplied for a single-fixed diameter of shell, or for facilities producing multiple sizes from Ø 200 - Ø 206, a fully automatic adjustable version is available
- Operator can define which features are inspected at up to 16 selectable positions
- Pre-curl and finished shells can be measured with no mechanical changeover
- Hopper type handling system, one or two load unload hopper cassettes (stack of shells up to 98 mm height)

Ordering Information:

Article Number	Article Description
Z401	Automatic Shell Inspection Gauge

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