

# Z401 Automatic Shell Inspection Gauge



Also available in  
**Floor-Standing Semi-Automatic**



**ELECTRICITY**  
100-240 Volts / 50-60 Hz



**COMPRESSED AIR**  
5 bar / 73 PSI



**WEIGHT**  
430kg



**DIMENSIONS**  
(W) 1270mm x (H) 1729mm  
(D) 1000mm

The Torus Z401 Shell Inspection Gauge defines the standard for dimensional inspection of beverage/beer 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.

## Measurement Features:

Feature	Accuracy
Unit Depth	+/- 0.005 mm
Countersink	+/- 0.005 mm
Panel Depth	+/- 0.005 mm
Curl Diameter	+/- 0.005 mm
Curl Height	+/- 0.005 mm
Curl Opening*	+/- 0.025 mm
Inner Curl Diameter	+/- 0.025 mm
Average Metal Thickness	+/- 0.005 mm

## Technical Specification:

Capabilities	Typical Range
Shell Materials	Aluminium
Shell Stages	Pre-Curl, Form, Finished
Shell Body Diameter Range	Ø 200 - Ø 206

\*Curl Opening feature not supported on CDL type shells.

**Repeatability Performance Data** - available upon request

## Benefits to your business

- › 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 98mm height)

Click [here](#) to view the video

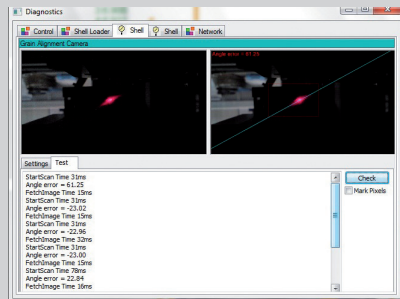
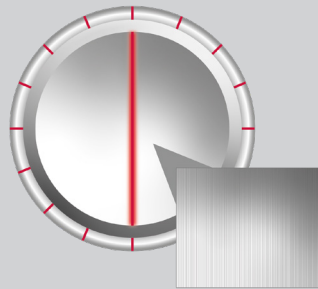


# Options and Features

The Torus Measurement Systems modular design construction gives complete flexibility when specifying your requirements.

The below option is available to add at anytime.

## Automatic Grain Alignment



The Grain Alignment option allows operators to gain information of where exact measurement points are taken, allowing for precise tooling adjustment to be made where required.

