



# PRODUCT INFORMATION SHEET

## Z301 Trimmed Can Gauge

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The **NEW** Trimmed Can Inspection machine from TRAC Measurement Systems defines the standard for Dimensional inspection of Beverage / Beer Cans.

The Measurement Cycle is then initiated via the PC running the TMS GaugeXplorer Measurement and Machine Control Software.

Available in either Semi-Automatic (Manually Loaded), Automatic (Conveyor Loaded) or In-Line Variants, these machines can be supplied for a single fixed diameter of Can, or for facilities producing multiple body diameters, manual or automatic "Changeover Capability" can be specified.

Typically supplied with the capability to measure 2 can heights, additional heights may also be specified or retrofitted at a later date in the field.

With its Modular design concept, a host of options may also be specified to complement your inspection requirements.

State of the Art Windows Software ensures the operator is presented with the latest measurement information, such as Average, Range, Max and Min for all features.



"Built on 10 years of product development, this machine has been proven the number one choice for leading packaging manufacturers around the world."

### GaugeXplorer

Feature	Actual	Deviation	USL	LSL	Units	Class
<b>Average Can Height</b>	110.816	0.016	110.200	110.000	mm	Pass
<b>Maximum Can Height</b>	115.685	0.035	115.750	115.550	mm	Pass
<b>Average Top Wall</b>	0.126	-0.006	0.152	0.132	mm	Fail
<b>Range Top Wall</b>	0.049	0.049	0.020	0.000	mm	Fail
<b>Minimum Top Wall</b>	0.151	0.009	0.152	0.132	mm	Pass
<b>Minimum Top Wall</b>	0.102	-0.040	0.152	0.132	mm	Fail
<b>Average Mid Wall</b>	0.126	0.042	0.093	0.073	mm	Fail
<b>Range Mid Wall</b>	0.049	0.049	0.020	0.000	mm	Fail
<b>Maximum Mid Wall</b>	0.151	0.009	0.093	0.073	mm	Fail
<b>Minimum Mid Wall</b>						

Feature	Actual	Deviation	USL	LSL	Units	Class
<b>Can Height</b>	111.1522		111.5511		mm	
<b>Top Wall</b>	20.1529		21.15074		mm	
<b>Top Wall</b>	20.1624		21.15046		mm	
<b>Top Wall</b>	40.1177		41.15033		mm	
<b>Top Wall</b>	60.1211		61.15000		mm	
<b>Top Wall</b>	80.1490		81.15005		mm	
<b>Top Wall</b>	100.1542		101.15005		mm	
<b>Top Wall</b>	120.1511		121.15000		mm	
<b>Mid Wall</b>	10.1126		11.15032		mm	
<b>Mid Wall</b>	20.1522		21.15027		mm	
<b>Mid Wall</b>	40.1190		41.15114		mm	
<b>Mid Wall</b>	60.1403		61.15140		mm	
<b>Mid Wall</b>	80.1514		81.15114		mm	
<b>Dome Depth</b>	9.6055				mm	





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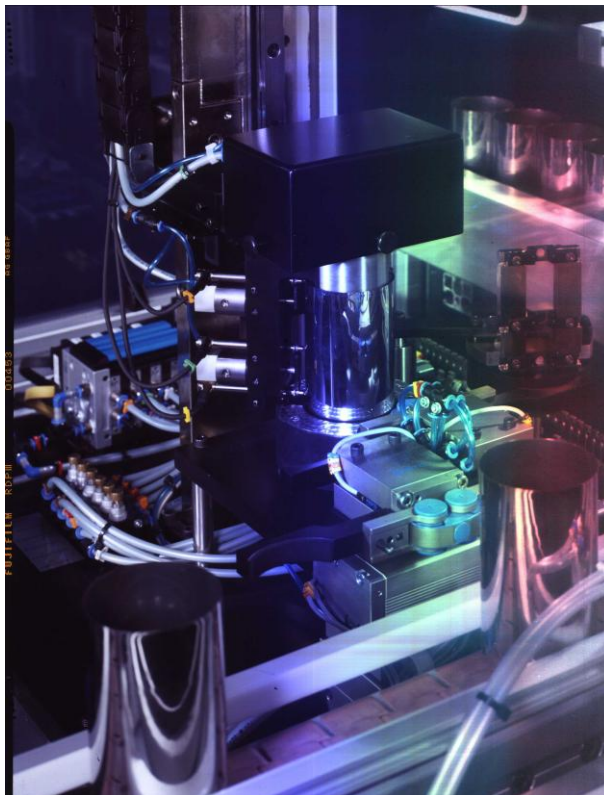
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The TRAC Measurement Systems Modular design construction gives complete flexibility when specifying your requirements. Our extensive list of options ensures a 'best fit' solution to your inspection needs.

Trimmed Can Gauge Options Include:-

- Axial Load / Dome Reversal Stations
- Trimmed Can Weigh Station
- Bodymaker ID Recognition Camera (In-Line Variant)
- In-Cycle Calibration option
- Multi Lane Input Conveyor
- Gravity Feed Input
- Pass / Fail sorting
- Industrial PC / Keyboard
- Network Interfacing

Using High Precision transducer technology and Certified Calibration Setting Masters from our UKAS accredited laboratory, you can be assured of accurate, repeatable and traceable measurement of your trimmed cans, 24 hours a day, seven days a week.....



### TECHNICAL SPECIFICATION

**Component Range**  
Body Diameter (202) - (307)

#### Features Measured

Top Wall Thickness  
Mid Wall Thickness  
Trimmed Can Height  
Dome Depth

#### Accuracy

+/- 0.001mm (+/- 0.00004")  
+/- 0.001mm (+/- 0.00004")  
+/- 0.010mm (+/- 0.0004")  
+/- 0.010mm (+/- 0.0004")

#### Repeatability

0.002mm (0.00008")  
0.002mm (0.00008")  
0.025mm (0.00098")  
0.025mm (0.00098")

Cycle Time: Approx. 30 seconds per can (at 4 Positions)



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