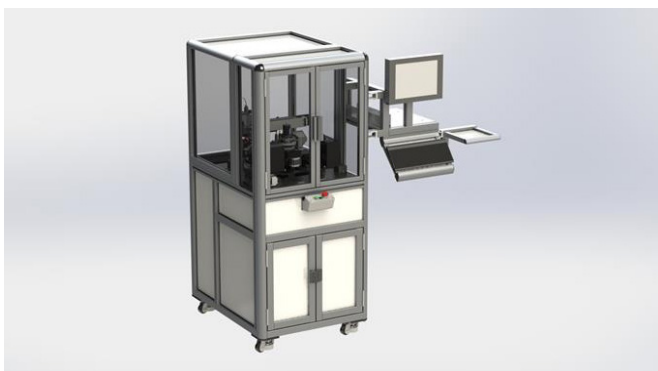


B302 Semi-Automatic Thread, Body & Thickness Inspection Gauge



Also available as:
Automatic Module with the Torus TQ Lab

The B302 Semi-Automatic Thread, Body and Thickness Inspection Gauge is unrivalled in non-contact dimensional inspection equipment for plastic containers.

Integrating the measurement functions from Torus' B300 Thickness Inspection Gauge and extending the capability of the B301 Optical Inspection Gauge in one system.

Interchangeable location tooling provides the capability to measure small vials to large containers within one platform, future production proofing the machine.

Automatic thread start and body alignment options used to offer unmatched measurement and system repeatability.

Reporting options such as standard CSV or Statistical Process Control (SPC).

Certification to UKAS Standards.

Measurement Features:

Feature		Accuracy
Neck Diameters	T, E, Z, B, B1, A, F, G Programmable neck diameter	+/- 0.030 mm
Neck Heights	S, K, X, H, M, D Programmable neck heights	+/- 0.030 mm
Body Diameters	Programmable body diameter	+/- 0.050 mm
Body Heights	Programmable body heights	+/- 0.050 mm
Perpendicularity	Angle / Distance	Indicative
Wall Thickness	Up to 3000 measurements	+/- 0.020 mm
Base Thickness	Up to 3000 measurements	+/- 0.050 mm
Standing Thickness	Petaloid bottle stand point	+/- 0.050 mm
Bottle Height	Individual / Average	+/- 0.100 mm
Base Clearance	Individual	+/- 0.100 mm

Thickness Sensor Options:

Low-Range Sensor	0.04 mm - 0.70 mm
Mid-Range Sensor	0.12 mm - 2.50 mm (standard)
High-Range Sensor	0.35 mm - 8.00 mm

Benefits to your business

- Over 7000 measurement data points per bottle
- Quick-snap pre-programmed industry standard neck features
- Programmable neck features for full measurement flexibility
- Programmable body features, including dynamic rotational search functionality with max. and min. form and diameter features, perfect for minor, major and pinch diameters
- Single sided thickness measurement
- Thickness sensor can be configured
- Automatic thread start alignment
- Automatic body alignment
- Self-teach profile scan function
- Filled and sealed thermal stability capability

Technical Specification:

Material Types	PET, PP, TRITAN, PEF
Component Neck Types	Thread, Continuous thread, Split thread, PCO, SP, ROPP, Snap, Clinch, Crown Cap (others on ap)
Component Outer Neck Dia.	≤ Ø 200 mm
Component Internal Neck Dia.	Ø 8.00 mm - 170.00 mm
Component Height Range	≤ 400 mm
Component Body Dia.	≤ 200 mm



POWER
100-240 Volts / 50-60 Hz



COMPRESSED AIR
6 bar / 87 PSI

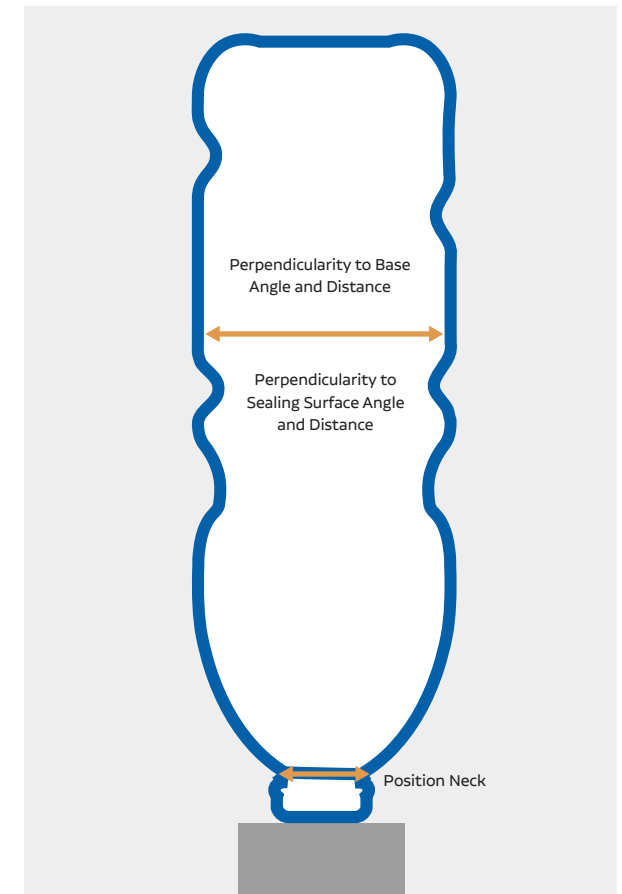
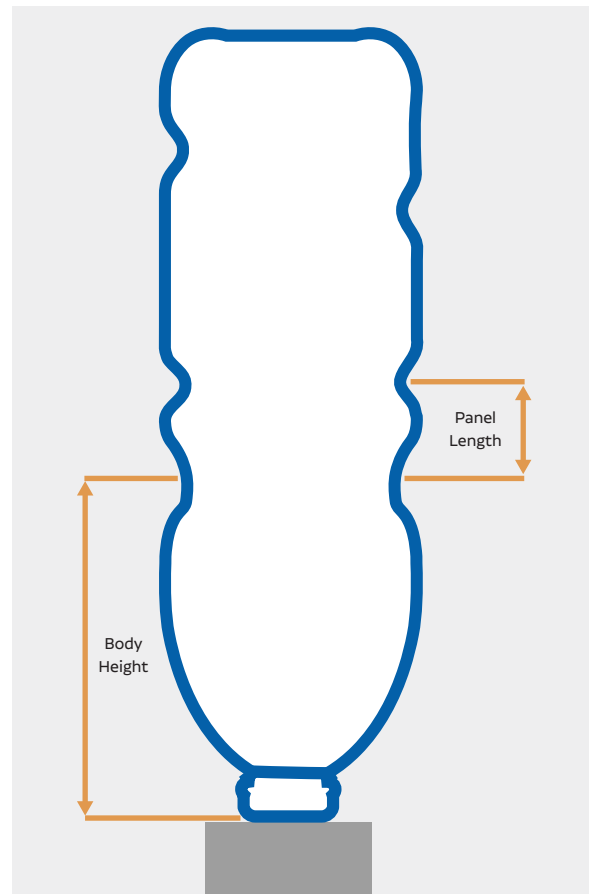
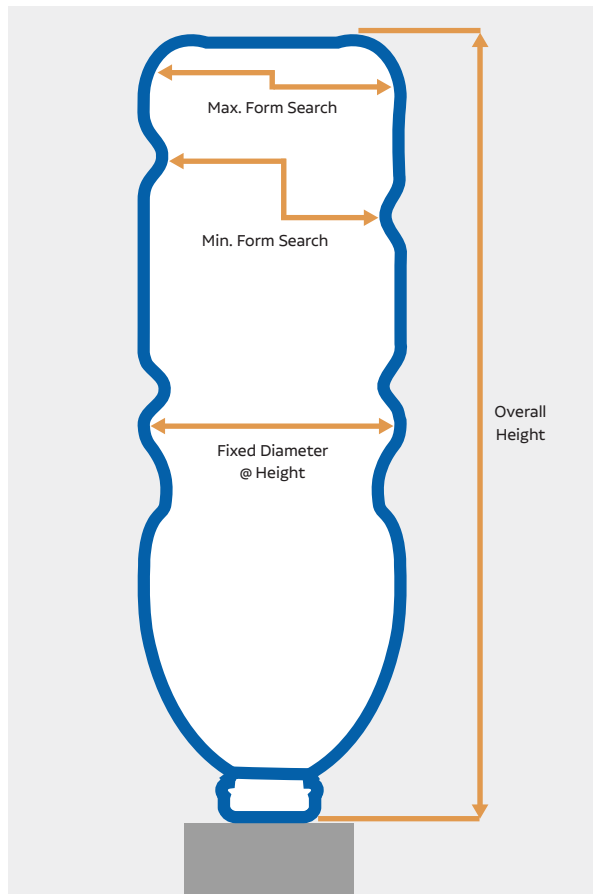


DIMENSIONS
(W) 1450mm x (H) 1850mm x (D) 1100mm

Click [here](#) to view the video



Body Features



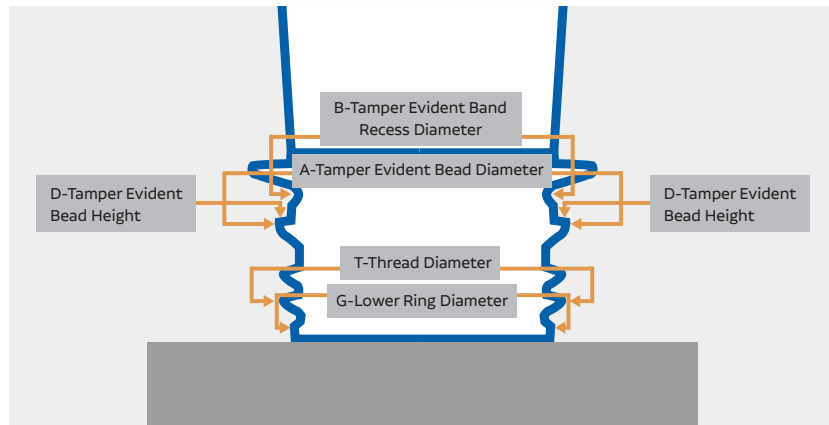
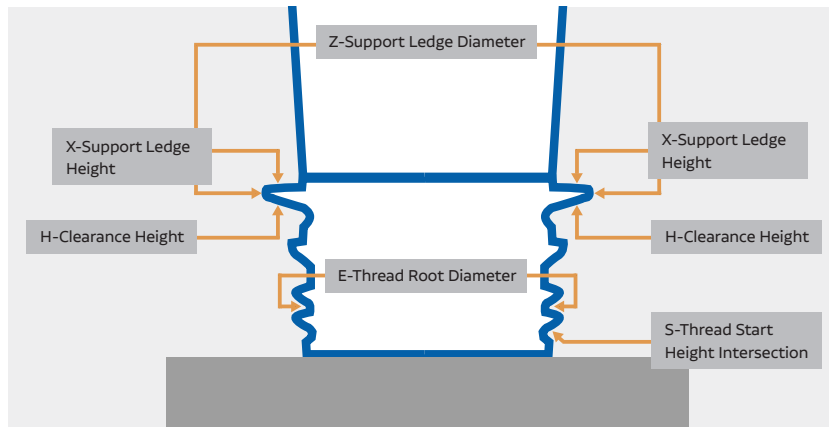
Body Features

32 Rotational Height Measurements per Feature

16 Rotational Diameter Measurements per Feature

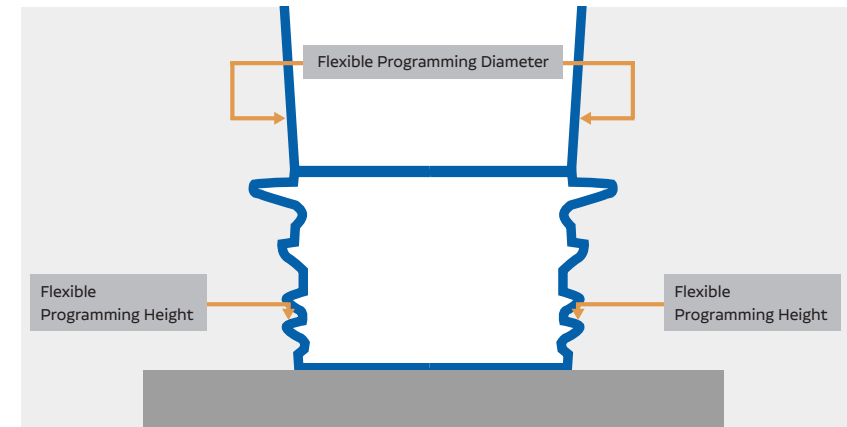
Advanced Programming

Quick Snap Thread Features



Thread Features 32 Rotational Height Measurements per Feature
16 Rotational Diameter Measurements per Feature

Programmable Thread Features



Thread Features Thread features can be reported as average range max. and min.