

PRODUCT INFORMATION SHEET

Z403 Compound Weight & Placement Gauge

Email: tms.sales@torus-group.com
www.torus-group.com



The Z403 gauge has been designed to reduce the significant labour time associated with manual compound weight and Placement checks, whilst also reducing the risk of human error in this manually labour intensive process.

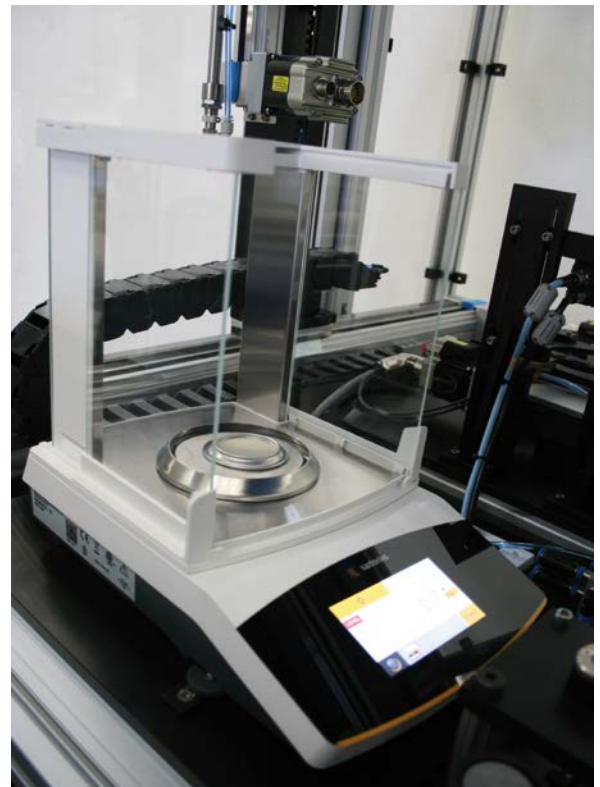
By adopting a similar strategy to the existing manual process, Torus have incorporated state of the art ink jet printing to "label" each shell with specific information related to the module, liner and sample. The fully automated handling system will in-turn, barcode ID and weigh each shell prior to the compound placement, storing the individual weights for the batch, in a secure database table for retrieval later.

After the shells have been passed through the "lining" process the operator will bake the ends in the usual manner and then return them to the gauge. The gauge will then automatically identify each shell, and weigh it again. The barcode ID will ensure the risk of "mixing" or manual "data entry" errors are completely removed from the process, and the compound weight will be automatically calculated and displayed for the operator, for each shell.

A "dimple" detection station is also available to identify liner gun 1, giving further detailed traceability for SPC data analysis.

After Compound weight, the "Compound Placement" can also be checked. This is done by up to 3 optional "un-curling" presses, with in the gauge for plants producing different Shell diameters and types.

Once "un-curved" the shells are inspected by up to 3 high resolution camera, as they are rotated through 360 degrees. Detailed information on the Cut Edge Distance and Height of Shoulder) is provided around the complete shell circumference.



Weigh Station

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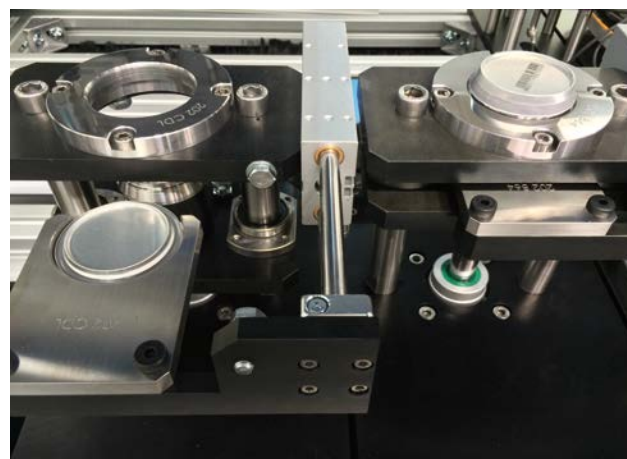
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Load / Unload Cassette Drawer



Un-curling Station(s)

Torus' powerful Windows Software ensures the operator is presented with measurement information, such as Average, Range, Max and Min for all features where applicable.

All measuring systems are supplied with a Windows 7 Professional Operating System, ensuring a secure operator environment and powerful networking capability to your existing quality systems, as well as powerful remote access for

TECHNICAL SPECIFICATION

Component Range 200 – 206 Diameter Beverage Shells

Features Measured

Compound Weight
Cut Edge Distance
HOS (Height of Shoulder)

Accuracy

Please contact TMS for details
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Please contact TMS for details

Repeatability



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