

MARS-AER - Automatic Measurement for Aerosol Domes and Bottoms

Fully-automatic Multi-Diameter End Measurement Station



The MARS-AER is entirely customizable for allowing any range of end sizes. The MARS-AER comes standard with automatic measurement of Curl Height, Curl Opening, Curl Diameter, Panel Depth, Total Height, Countersink Height, Contact Height, 1" Opening.

Through the use of hoppers for multiple can end diameters, and an automated end handling system, the MARS-AER measures an unlimited range of different sized lids. The can ends are automatically rotated with all parameters being measured in up to 50 positions around the circumference of the end.

The gauge utilizes two measurement stations; the first measures curl Height, curl opening, curl diameter, panel depth, total height, and countersink height; the second station measures contact height and 1" opening. Additional options available: seaming panel height, snaplock undercut, shoulder depth, curl thickness at 20° and dome curl outer diameter.

Benefits

- Faster Inspection Time
 - Fully-Automated Measurement and Handling
 - Automated End Rotation
- Increased Accuracy
 - Automatic Measurements
 - Eliminates Operator Error
 - Unsurpassed R&R
- No Change Parts Required

This easy to use automatic measurement gauge combines unsurpassed R&R results with a compact design, touch screen interface, and RS232 data output. As well as providing greatly increased accuracy of measurement, the labor savings gained by installing the MARS-AER Automatic Multiple Diameter End Measurement System will pay for the entire project within a matter of months.

Technical Details

Max Positions:	50 points around the end (end rotated automatically)
Characteristics measured:	curl height, curl opening, curl diameter, panel depth, total height, countersink height, contact height, 1" opening (options: seaming panel height, snaplock undercut, shoulder depth, curl thickness at 20° and dome curl o.d.)
Max Size:	153mm (603)
Measurement Units:	In, mm
Languages:	available in many languages
Air Pressure Required:	6bar (90psi)
Output Interface:	RS232
Electrical Power Required:	100/240VAC 50-60Hz
Dimensions:	900mm x 450mm x 700mm (35 in x 18 in x 28 in)
Resolution:	0.001mm (0.0001 in)
Weight:	70 kg (154 lbs)