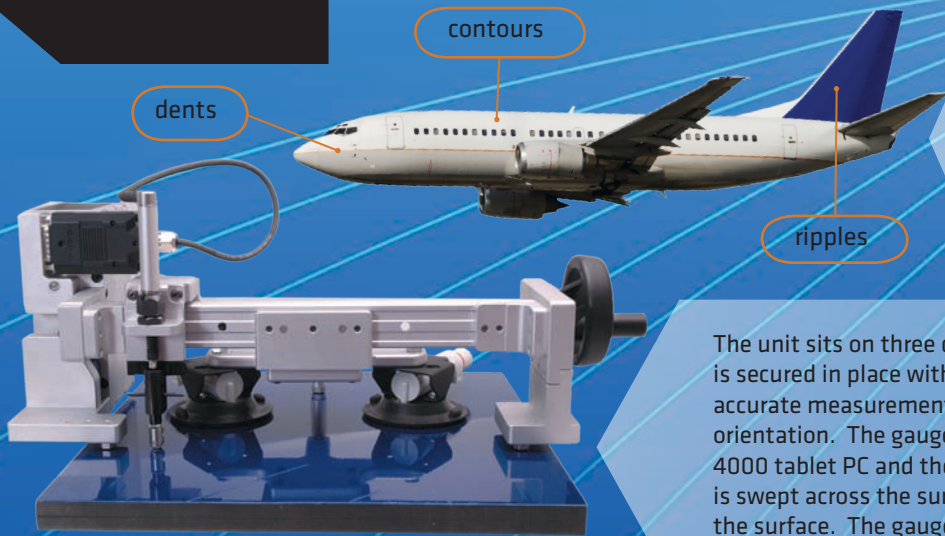


LMI RIPPLE GAUGE

Measure contours, ripples, and dents

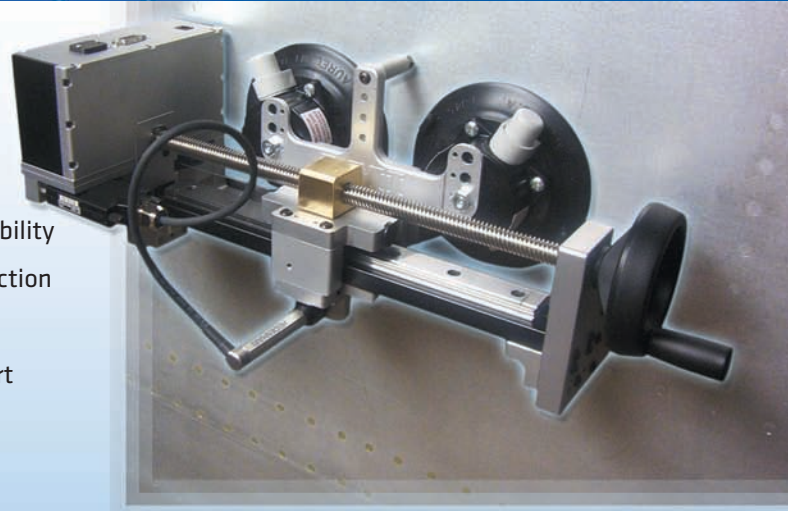


The LMI Ripple Gauge was designed to be a high accuracy surface profiling gauge which was originally developed for Boeing to measure ripples in the outer skin of aircraft. Capturing surface contour data is now possible in order to find and record any imperfections no matter how small.

The unit sits on three datum feet to accommodate even curved surfaces and is secured in place with suction cups. The suction cups provide stability for accurate measurements while also allowing the user to record data at any orientation. The gauge connects to a laptop USB port or ASI Datamyte's rugged 4000 tablet PC and the (X, Y) pairs can be viewed live on the screen. The gauge is swept across the surface with a hand wheel while the Z axis probe rolls over the surface. The gauge comes complete with software for charting the surface data and can be exported directly to Excel for further analysis.

Key features

- ▶ Z-Axis Probe: Travel 0.4724" - Accuracy: 0.00004"
- ▶ X-Axis Probe: Travel 8.0" - Accuracy: 0.0037"
- ▶ Light weight and rigid design - 10 lbs.
- ▶ Light force roller measurement tip for Z axis probe
- ▶ Rigid ball screw (1/2" per rev) drives Z axis probe for maximum repeatability
- ▶ Easy pump & release suction cups do not require any pneumatic connection
- ▶ Connects to a standard laptop or ASI Datamyte's 4000 tablet PC
- ▶ No batteries or additional power required when connected to a USB port
- ▶ Communication status light
- ▶ Adjustable contact feet (three point datum)
- ▶ Custom configuration available to meet your specific requirements



Software features

- ▶ User friendly and versatile software for viewing & recording data
- ▶ Software allows each axis to be re-zeroed at any position
- ▶ Software selectable units: in/mm
- ▶ Software displays the charted data for quick analysis that can be saved to a file
- ▶ Data is written to a file for viewing and additional analysis in Excel

