Dome Reform Gauge

SI6400

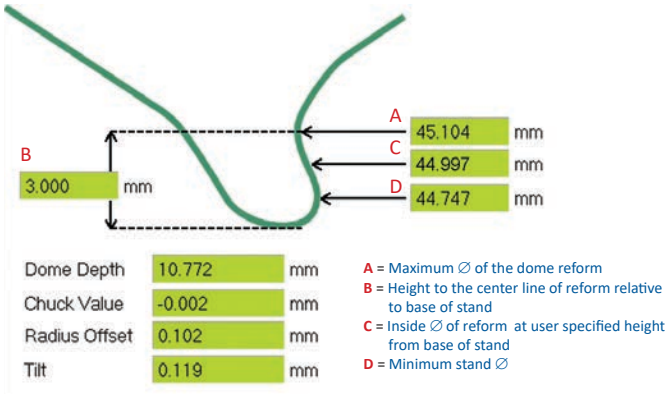


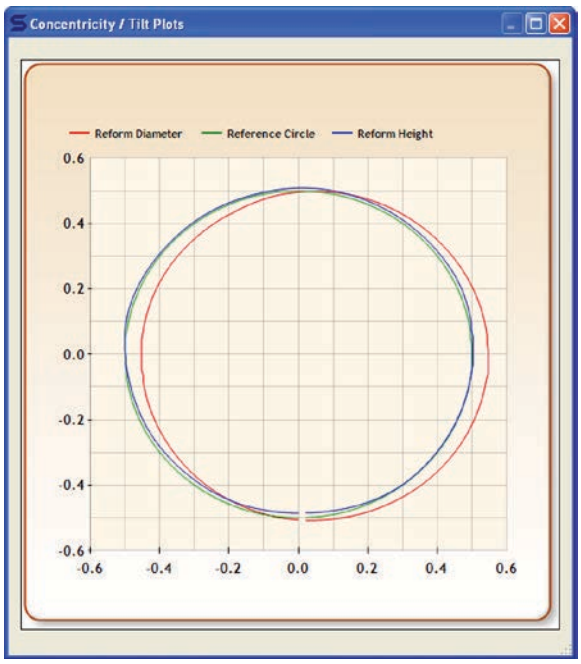
A UNIQUE GAUGE THAT PROVIDES DETAILED 360° SCANNING OF THE DOME REFORM FEATURE

Non-contact measurement, world class repeatability

BENEFITS
Complete profiling of the reform feature
Highly accurate and reliable
Optimize tooling setup
Easy to use
Low maintenance

Measurements include tilt and concentricity relative to the stand, plus visualization of any eccentricity





COMPLETE PROFILING OF THE FEATURE — Systems that only measure a few points on the dome cannot give enough information to be sure that it has been reformed correctly all round. Tilt measurement will also be inadequate and may even be missed completely. However, DRG carries out a continuous 360° scan of the dome, giving fully comprehensive data about the formation of the feature, including the concentricity of the reform diameter relative to the stand. It also gives clear visualization of any eccentricity or anomalies which may have occurred.

WORLD CLASS RELIABILITY — The DRG automatically measures its own reference piece for every can tested, ensuring complete reliability and results that can be trusted.

FEATURES	
Measurements per scan	15,000
Test cycle	typically 17 seconds
Can ∅	202 to 211 (change parts required)
Import and export of test results — automatic backups	
Process Master™ software bundled with the gauge	
Pre-configured PC supplied	

OPTIMIZE TOOL SETUP — The comprehensive measurements also reveal the diameter of the reform groove and its height from the base of the stand, allowing the tooling to be set to produce the best quality cans. The system also displays the reform diameter at a user specified height to enable correlation of measurements to other gauging systems.

EASY TO USE — The gauge is very simple to use while also avoiding operator influence on results. A can is placed into the precision machined opening where spring loaded jaws ensure positive can location. The operator simply places a stabilizing piece in the can and presses the start button. Results are output via the built in USB connection to a PC running Windows 10, where the data is captured and analyzed by Sencon's proprietary **Process Master™** software.

LOW MAINTENANCE — Optical technology not only gives better accuracy than probe based LVDT systems, it also means that the gauge is very low maintenance.

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Product details may change due to continual development. Please consult Sencon directly for the latest specifications.