

200,000 lb. & 100,000 lb. & 20,000 lb. Tensile Testers — Testing externally threaded fasteners for tensile and proof load; Testing internally threaded fasteners for proof loads. Software: UTM0906 Version 09 and QCTech Version 5.

Rockwell Hardness Tester — Testing Rockwell hardness in the A, BW and C scales, and surface hardness on the 15N and 30N.

Vickers Hardness Tester — Hardness testing using the Vickers scale HV10 and HV30. Software: HMS-V; Version: 4.0

Micro-hardness Tester — Hardness testing using the Vickers scale w/ 100, 300 & 500 grams force. Software: HMS-V; Version: 4.0

Skidmore-Wilhelm — Measurement of clamp load between internal and external thread assembly.

Salt spray Tester — Test for salt spray corrosion per test method ASTM B117.

X-Ray Fluorescence — Measurement of zinc or nickel plating thickness per test method ASTM B568. Software: X-ray Station; Version: 11.05.6.0

Ring and Plug Gauges — Go and No-Go thread inspection for inch and metric sizes.

Optical Comparator — Dimensional inspection of linear measurements, angles, thread profiles, and radiuses. Software: MPD; Version: 0.9136

Zoomscope (CMM) — Dimensional inspection of linear measurements (X,Y,Z), angles, thread profiles, concentricity and radiuses. Software: SI-901; Version: 9.0.5

Drive Test Plates, Torsional Collets, and Ductility Blocks — Performance testing for tapping, thread cutting, and thread rolling screws, etc.

Length Gages — 6 and 12 inch gages for measuring length.

Recess Checker — Recess depth and penetration depth on cross-recessed, pozi, hex, six lobe, and square drives.

Protrusion Gauge — Measurement of head protrusion on countersunk fasteners.

Drill Drive Tester — Drill-Drive performance test for self-drilling tapping screws.

Centering Gage & Concentricity Gage — Measurement for dimensional tolerance as FIM, run out, or concentricity tests, etc.

Plain Ring Gage — Measurement for length for cotter pin, and measurement for the maximum pin diameter for slotted spring pin.

Bore Gage — Measurement for hole inside diameter, or minor diameter of internal threads.

Roughness Tester — Measurement for surface roughness. Software: MarSurf PS 10; Version: 1.00-21

Torque-Tension Tester — Testing for Prevailing torque, torque coefficient k, clamp torque for hydrogen embrittlement, yield and ultimate clamp force, rotation capacity, etc. Software: DEWESoft X2; Version: SP10

Additional Equipment:

Elongation Gauge, Torque Wrenches, Slot Width Gages, Digital Calipers, V-anvil Micrometer, Micrometers, Thread Wires, Pitch Micrometer, Straightness Gage, Wobble Gage.