



## HOLO-KROME Lab Equipment

**200,000 lb. 400,000 lb. & 600,000lb. Tensile Testers**---Software: MTEST Quattro(TM) Materials Testing System Version 3.12.06, MTEST Quattro Controller Firmware Version MTQ 3.05.04.

Testing externally threaded fasteners for tensile, proof load, and yield strengths;

**Axial Extensometers**--- **Models**, 1" (3542-0100-025-ST), 1.4" (3542-0140-025-ST), 2" (3542-0200-020-ST).

**Rockwell Hardness Testers**--- Testing Rockwell hardness in the A, B and C scales, and surface hardness on the 30N.

**Micro-hardness Tester**---Hardness testing using the Vickers scale.

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

**Metallographic Microscope**---Analysis of grain structures and boundaries on raw material and finished product.

**Mag-Particle (AC/DC)**--- Nondestructive inspection for cracks above and below the surface.

**Variable Thread Gauging**---Inspection of internal and external threads for pitch and functional diameters

**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.

**Length Gages**---6 and 12 inch gages for measuring lengths.

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

**Protrusion Gauge**---Measurement of head protrusion on countersunk fasteners.

**Corrosion Test Chamber**---Salt Spray (Fog) Testing per ASTM B117

### **Additional Equipment:**

**Elongation Gauge, Torque Wrenches, Gauge Block Set, Digital Calipers, Micrometers, Stress Durability fixtures (hydrogen Embrittlement).**