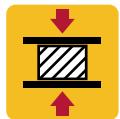




Innovative Solutions for Research, Development, and Testing

ITL Offers a Range of Testing Services, Including:



Mechanical Testing

- MTS Alliance RT/100 universal test frame
- MTS 810 servohydraulic - 20,000lb capacity
- MTS 318 servohydraulic - 11,000lb capacity
- Tension, compression & flexural grips & fixtures
- Elastomers, plastics, composites, metals
- Fracture; Compact Tension
- Hardness; Brinell, Rockwell & Micro hardness
- Cyclic Fatigue
- Izod Impact
- Viscosity



Analytical Chemistry

- Electron Spin Resonance
- Fourier Transform Infrared Spectroscopy
- UV & Visible light
- Gas Chromatography (GC, GC-MS)
- Liquid Chromatography (HPLC, LC-MS)
- Nuclear Magnetic Resonance Spectroscopy
- Raman Spectroscopy
- Trace Metals (MP-AES, AA)



Thermal Analysis

- Differential Scanning Calorimetry
- Thermogravimetric Analysis
- Heat Deflection; DTUL & VICAT testing



Sample Preparation

- Centrifuges
- Ovens, autoclave, high temperature, incubators
- Metallography grinders, polishers & microscopes



Microscopy

- JEOL 1400 TEM
- Optical, Phase



ITL Machine Shop Equipment

- Three vertical mills and three lathes
- Horizontal and vertical band-saw
- 3-axis CNC Mills
- MIG and TIG welding capability



Industry 4.0

- Form 3 Stereolithography 3D Printer
- Raise3D Fused Filament Fabrication (FFF) Printer
- Light Guide Vision System
- UR10e Collaborative Industrial Robot

ITL is Your Laboratory Partner for:

- Environmental Testing
- Mechanical Testing
- Chemical Testing
- Microscopy



Independent Testing Laboratory

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