

TESTING

MECHANICAL TESTING

Static testing of materials can be performed using a variety of electromechanical and hydraulic universal testers with capacities ranging from 3,000-lbf to 120,000-lbf. Furnaces can be used to perform tests up to 1000 °F for high-temperature characterization.

Fixtures can be fabricated and designed in house, such as for performing prosthetic attachment testing to ISO 10328.

TESTS PERFORMED

- Uniaxial Tension (ASTM D3039)
- Flexure (ASTM D7264)
- Equibiaxial Flexure (ASTM C1499)
- Compression (ASTM D6641, D695)
- Pin Bearing (ASTM D5961)
- Lap Shear (ASTM D3528, D3164)
- V-Notch Rail Shear (ASTM D7078)
- Short Beam Shear (ASTM D2344)

