

MECHANICAL TESTING:

Industries Served: Aerospace, Defense. Electronics

Materials Tested: Plastics, Composites, Resins, Laminates, Flex/Rigid PCB's

Mechanical Testing characterizes the mechanical properties of a product. Mechanical stresses are defined as those typically experienced by the product in both operating and non-operating environments. Operational mechanical stress relates to the breaking, bending, expanding, compressing, flexing, pulling and shaking the product during operation. Non-operational mechanical stress experienced during delivery, setup and storage are typically the worst mechanical stresses the product will see and must also be considered.

Current Test Capabilities/Method:

- Adhesion
- Bond Strength
- Dynamic Materials Analysis (DMA)
- Elongation
- Flexibility Endurance
- Flexural Strength
- Flexural Fatigue
- Folding Flexibility
- Fracture Toughness
- Glass Transition Temperature by TMA
- Lap Shear
- Peel Strength
- Rework Simulation
- Shear Strength
- Tensile Strength (05 grams to 30,000 lbs.)
- Tension and Compression
- Terminal Strength