

IIA LAB CAPABILITIES

Product Lifecycle Support



CONCEPT & DESIGN

- 3D Modeling
- 3D Precision Scanning
- GD&T Analysis

PROTOTYPING

- Electrical Product Safety Testing
- Comparative Analysis
 - Part to CAD
 - Part to Part

TESTING

- EMC/EMI Testing
- Chemical Testing
- Coating Testing
- Polymer Testing
- Metallurgical Testing
- Mechanical Testing
- Impact Testing
- Environmental Testing
- Micro Structure Analysis
- Tensile Testing
- Compression Testing

QUALITY

- First Article Inspection
- Capability Study
- CMM Programming
- Dimensional Inspection
- CT Scanning
- Mold & Fixture Evaluations
- Failure Analysis
- Calibration

PRODUCTION

- Supplier Validation (3rd Party Inspection)
- Gage R&R
- Blade/Airfoil Inspection
- Eddy Current Testing
- Dye Penetrant Testing
- Mag Particle Testing
- Weld Testing
- Radiography
- Ultrasonic Testing

LEGACY PRODUCT SUPPORT

- 3D Modeling
- CAD Creation
- Reverse Engineering
- Chemical Analysis
- Metallurgical Analysis