



We **partner, solve, and deliver**® custom engineered solutions to meet the demands of our customers across all major markets. Our versatile engineering and manufacturing expertise allows us to produce reliable high-quality transformers, inductors, chokes, and reactors used in a wide variety of assemblies.



**lean manufacturing**

- 52 to 5awg Magnetic Wire Winding
- Foil, Flat, & Square Wire Winding
- Automatic CNC Winding
- Bobbin, Layer & Self-Supporting Winding
- Toroidal Hook & Shuttle Winding
- Thermoplastic & Thermoset Overmolding
- Impregnation, Casting & Potting
- Void-Free Vacuum Potting
- NASA Certified Soldering
- Wire Prep & Harness Assembly
- Injection Molding
- Metal & Plastic Fabrication
- Complete, In-House Machine Shop
- Laser Welding



**engineering**

- 3-D CAD Modeling
- 3-D Printing
- Mechanical Design & Packaging
- Rapid Prototyping
- Magnetics Simulation Software
- Mechanical, Thermal & FEA Analysis
- Plastic Mold Flow Simulation
- APQP Project Management
- Custom Bobbin/Header Tooling
- Custom Core Tooling
- Safety Agency Compliance Services
- Mission Critical Design Services



**testing + validation**

- Automated Transformer Testing
- Medical Safety Testing
- High Voltage/Partial Discharge Testing
- Temperature Rise Testing
- 2-D/3-D Microfocus X-ray Inspection
- Digital Microscopic Inspection
- Automated Optical Inspection
- Network Analyzer
- MIL-STD-202 In-House Qualification
  - Mechanical, Shock & Vibration
  - Burn-In & Life Testing
  - Thermal Shock & Temperature Cycling
  - Humidity, Salt Fog, & Solderability
  - Moisture Resistance & Seal Testing



**quality/certifications**

- AS9100, ISO9001 & IATF16949 Certifications
- ITAR & NIST Compliance
- Regulatory Agency Approvals
- PPAP & First Article Inspection
- AS9102 First Article Inspection
- SPC Data Collection