



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.



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
- Lean Manufacturing Principles
- Complete, In-House Machine Shop
- Poka-Yoke "Mistake Proofing"



engineering

- 3-D CAD Modeling
- 3-D Printing
- Mechanical Design & Packaging
- Rapid Prototyping
- Magnetic Simulation Software
- Mechanical, Thermal & FEA Analysis
- Plastic Mold Flow Simulation
- APQP Project Management



testing + tooling

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



quality/ certifications

- AS9100 & TS16949 Certifications
- ITAR Compliance
- Regulatory Agency Approvals
- PPAP & First Article Inspection
- SPC Data Collection