





planar magnetics



- High voltage
- Custom
- Broad winding, packaging
- Inductors & transformers
- Thermal solutions
- Custom terminations
- Extremely low profile
- Reduced high frequency AC losses



power supplies & custom assemblies

- Wire harness and box build
- Vertical manufacturing
- Insert moldina
- Consolidation of vendors
- Encapsulation, potting



Medical grade isolation Regulatory approvals

High voltage

3-phase

Special medical packaging

Toroidal designs



MAGNETICS SOLUTIONS

Customer Focused Engineering Solutions



current sense transformers

- Rogowski
- Special mechanical packaging
- Energy harvesting
- Split core, winding
- High accuracy

military & aerospace

- In-house qualification
- MIL-STD
- 3-phase
- 52ga to heavy foil winding
- Rugged packaging
- Space & flight grade products
- ITAR, testing & Quality systems
- High voltage



- Antennas
- Overmolding (insert)
- Custom winding, bobbin
- Custom configurations



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 Collectionn

AEROSPACE & MILITARY // ALTERNATIVE ENERGY // AUTOMOTIVE (EV) & TRANSPORTATION // ELECTRIC POWER & UTILITIES // MEDICAL SMART GRID & METERING // INDUSTRIAL & POWER DISTRIBUTION // TEST & MEASUREMENT // SECURITY & SAFETY // HOUSEHOLD & APPLIANCES