



low frequency

- Medical grade isolation
- Regulatory approvals
- Toroidal & 3-phase designs
- High voltage

planar magnetics

- Inductors & transformers
- Enhanced thermal solutions
- Custom terminations
- Extremely low profile
- Reduced high frequency AC losses



smps transformers

- Standard and custom packages
- Wide input/output voltages
- Extended creepage options
- Wide-bandgap solutions

military & aerospace

- In-house qualification
- Space & flight grade products
- ITAR & NIST compliance
- 52ga to heavy foil winding
- MIL-STD-981, MIL-PRF-27
- Rugged packaging
- High voltage
- 3-phase



MAGNETICS SOLUTIONS

Customer Focused Engineering Solutions



current sense transformers

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

power supplies & custom assemblies

- Wire harness and box build
- Vertical manufacturing
- Insert molding
- Encapsulation
- Vendor consolidation



custom solenoids & coils

- Antennas
- Overmolding
- Custom configurations
- Specialty winding techniques



inductors & common mode chokes

- Surface mount and thru-hole
- Large standard product offering
- Custom configurations and designs

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 WindingFoil, 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 Testing2-D/3-D Microfocus X-ray Inspection
- Digital Microscopic Inspection
- Automated Optical InspectionNetwork 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, IS09001 & IATF16949 Certifications
- ITAR & NIST Compliance
- Regulatory Agency Approvals
- PPAP & First Article Inspection
- AS9102 First Article InspectionSPC Data Collection

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