

# MAGNETICS

## BUSINESS & TECHNOLOGY

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# 2010 Resource Guide

## Arnold Magnetic Technologies

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 Email: rstrahs@arnoldmagnetics.com  
 Web site: www.arnoldmagnetics.com

Arnold Magnetic Technologies manufactures and distributes products and services in the United States, Europe, United Kingdom and Asia. Customers are also supported on a global basis. Products include: Permanent magnets (alnico, ceramic, neodymium, samarium cobalt), Bonded Magnets (sheet and strip, compression bonded, injection molded), Shaped Field Electromagnets, Precision Rolled Foils. Services include: Manufacturing of precision magnet and non-magnetic assemblies, 2D and 3D modeling from our Engineering design team on three continents. Our website provides easy access to our technical literature, Engineering tools and contact information. See www.arnoldmagnetics.com or email us at info@arnoldmagnetics.com with quote inquiries.



## Bartington Instruments Ltd

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 Phone: +44 1993 706565 Fax: +44 1993 774813  
 Email: sales@bartington.com  
 Web site: www.bartington.com

Bartington Instruments is a world leader in the design and manufacture of magnetic measuring instruments. Our products are widely used in physics, geophysics, defence and aerospace. The range includes single and three axis fluxgate sensors for low field applications, fluxgate gradiometers, and magnetic susceptibility equipment. Custom magnetometer design and manufacture is also available. For more information about Bartington Instruments and our range of products and services please visit our website.



## Magnets

### Permanent Magnets

Allstar Magnetics Inc	www.allstarmagnetics.com
<b>Arnold Magnetic Technologies</b>	<b>www.arnoldmagnetics.com</b>
<b>Correlated Magnetics Research</b>	<b>www.correlatedmagnetics.com</b>
Dexter Magnetic Technologies Inc	www.dextermag.com
KEMET Corporation	www.kemet.com
Permanent Magnets Ltd	www.pmlindia.com
<b>Quadrant Magnetics</b>	<b>www.quadrantmagnetics.com</b>
Sintex A/S	www.sintex.dk
<b>Tengam Engineering, Inc.</b>	<b>www.tengam.com</b>
Thomas and Skinner Inc	www.thomas-skinner.com
Wise Exhibition Co Ltd	www.magexpo.cn
Yunsheng USA	www.yunshengusa.com

### Magnetic Assemblies

ABB Inc	www.abb.us
<b>Arnold Magnetic Technologies</b>	<b>www.arnoldmagnetics.com</b>
Dura Magnetics Inc	www.duramag.com
<b>Electron Energy Corporation</b>	<b>www.electronenergy.com</b>
EPCOS AG	www.epcos.com
Hangzhou Permanent Industrial Tools Inc	www.china-hpimg.com
<b>Integrated Magnetics</b>	<b>www.intemag.com</b>
<b>Magnet Applications</b>	<b>www.magnetapplications.com</b>
<b>Master Magnetics, Inc.</b>	<b>www.magnetsource.com</b>
Metglas Inc	www.metglas.com
NEC TOKIN America Inc	www.nec-tokinamerica.com
<b>Quadrant Magnetics</b>	<b>www.quadrantmagnetics.com</b>
<b>Quality Magnetics Corp.</b>	<b>www.qmcnet.com</b>
Rare Earth Magnetics	www.remagnetcs.com
Vitec Electronics Corp	www.viteccorp.com
<b>Tengam Engineering, Inc.</b>	<b>www.tengam.com</b>
Wyatt Engineering LLC	www.wyattflow.com
Yokogawa Corp of America	www.yokogawa.com/tm

### Magnetic Materials

BVI Magnet GmbH	www.bvi-magnete.de
C&D Technologies Inc, Powercom	www.cdtechno.com
Dearborn	www.dearborn-cdt.com
Elna Magnetics	www.elnamagnetics.com
Ferronics Inc	www.ferronics.com
Lord Corporation	www.lord.com
Magnetic Sensor Systems	www.solenoidcity.com
<b>Magnetics</b>	<b>www.mag-inc.com</b>
<b>Quality Magnetics Corp.</b>	<b>www.qmcnet.com</b>
Shin-Etsu Magnetics Inc	www.shinetsumagnetics.com
Thermshield LLC	www.thermshield.com
<b>VAC SALES USA LLC</b>	<b>www.vacuumschmelze.com</b>
Vitec Electronics Corp	www.viteccorp.com
<b>Williams Advanced Materials</b>	<b>www.williams-adv.com</b>
Yunsheng USA	www.yunshengusa.com

**CST of America, Inc.**

492 Old Connecticut Path Suite 505  
 Framingham, MA 01701  
 Contact: Debra Gasser  
 Phone: 508-665-4412 Fax: 508-665-4401  
 Email: [debra.gasser@cst.com](mailto:debra.gasser@cst.com) Web site: [www.cst.com](http://www.cst.com)

CST EM STUDIO® is a software design tool able to characterize and optimize a wide range of static and low frequency devices. Applications include, coils, magnets, sensors, actuators, shielding, biomedical devices, magnetic recording, induction heating and transformers.

Comprehensive mechanical imports complement robust solving technology and allow many operating quantities to be assessed. Outputs include field and current distribution, force, torque, inductance, capacitance, flux linkage, heating and mechanical deformation.



**Elna Magnetics**

203 Malden Turnpike, Saugerties, NY 12477  
 Contact: Joseph Ferraro  
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 Email: [info@elnamagnetics.com](mailto:info@elnamagnetics.com)  
 Web site: [www.elnamagnetics.com](http://www.elnamagnetics.com)

Elna is an authorized distributor for some of the world's largest manufacturers of magnetic cores including Ferroxcube, Fair Rite Products, EPCOS, Magnetics, Metglas, Hitachi Finemet, Leadertech, Micrometals, MMG and Ferrite International. We maintain an extensive inventory of all products including core accessories to service your requirements. We also maintain customer specific inventory to service your blanket order requirements. In addition to distribution, our manufacturing operation produces customer specific custom cores and assemblies from prototypes to production runs.



**Electron Energy Corporation**

924 Links Avenue, Landisville, PA 17538  
 Contact: Peter Dent  
 Phone: 717-898-2294 Fax: 717-898-0660  
 Email: [pcd@electronenergy.com](mailto:pcd@electronenergy.com)  
 Web site: [www.electronenergy.com](http://www.electronenergy.com)

Electron Energy Corporation designs and manufactures high performance rare earth magnets and magnet assemblies at our US-based facility near Lancaster, Pennsylvania. Our product line includes samarium cobalt and neodymium iron boron magnets and magnet assemblies. We make products that are DFARS-compliant. As world-renowned experts in material sciences and testing, our vertically integrated operation provides you with the full range of services to get the right magnet or magnet assembly for your needs. We are known for our exceptional testing abilities, using 2-D and 3-D Finite Element Analysis before we build to ensure that we have the right solution for you.



**Field Precision LLC**

PO Box 13595, Albuquerque, NM 87192  
 Contact: Dr. Stanley Humphries  
 Phone: 505-220-3975 Fax: 617-752-9077  
 Email: [techinfo@fieldp.com](mailto:techinfo@fieldp.com)  
 Website: [www.fieldp.com](http://www.fieldp.com)

Field Precision creates 2D/3D finite-element tools for super-conducting magnets, permanent-magnet assemblies and pulsed magnets. The affordable software packages run on personal computers under Windows and feature fast setup and run times and comprehensive documentation. AMaze programs perform state-of-the-art 3D calculations on conformal meshes. Magnum handles coils, linear magnetic materials and straight-line permanent magnets. HeatWave covers dynamic and static thermal transport. Available packages in the TriComp (2D) series include steady-state magnets with coils and iron, permanent magnets, pulsed fields and inductive heating (coupled RF magnetic fields and thermal solutions). Field Precision also consults on numerical simulation of magnet assemblies.



## FOERSTER Instruments, Inc.

140 Industry Dr., RIDC Park West, Pittsburgh, PA 15275  
 Contact: Myles Capen  
 Phone: 412-788-8976 Fax: 412-788-8984  
 Email: sales@foerstergroup.com  
 Web site: www.foerstergroup.com

FOERSTER has long been recognized as a leader in the field of electromagnetic non-destructive testing. FOERSTER offers the highest quality and widest range of electromagnetic instruments, accessories, and testing systems that are available throughout the world. Our equipment has been designed to meet the stringent quality requirements, and operate in the harsh conditions of the industrial and scientific world. We offer a variety of electromagnetic test instruments. Among them are eddy-current, magnetic induction, AC and DC magnetic flux leakage, and flux-gate magnetometer (for magnetic field strength, permeability, and property measurements and detection of ferromagnetic objects). Visit us on March 1-2 at MAGNETICS 2011.



## Frontier Electronics Corp.

667 E. Cochran St., Simi Valley, CA 93065  
 Contact: Jeannie Gu  
 Phone: 805-522-9998 Fax: 805-522-9989  
 Email: Jeannie@frontierusa.com  
 Web site: www.frontierusa.com

Frontier Electronics Corp® designs and manufactures a wide range of magnetic components. Our product line includes: RF Chokes, Coils, Inductors and Custom Transformers. Meeting the needs of our customer's is #1 at Frontier. Our engineering and sales teams work closely with each customer, ensuring satisfaction and providing a personalized service. This close customer-supplier relationship is crucial in the fast paced ever-changing world of electronics -- Let Frontier's products/services help to keep you competitive and at the forefront of today's technology!



## Products

### Alnico Magnets

A-L-L Magnetics Inc	www.allmagnetics.com
BVI Magnet GmbH	www.bvi-magnete.de
Cedrat SA	www.cedrat.com
East Coast Magnets Pvt. Ltd.	www.sardamagnets.com
MEDER electronic, Inc.	www.meder.com
Permanent Magnets Ltd	www.pmlindia.com
Tridus Int'l	www.tridus.com
Wise Exhibition Co Ltd	www.magexpo.cn

### Bonded Magnets

Daido Steel (America), Inc	www.daidosteel.com
<b>Electrodyne Company</b>	<b>www.edyne.com</b>
Eneflux-Armtek Magnetics (EAM)	www.eamagnetics.com
Gallup & Associates	www.gallupmag.com
Hangzhou Permanent	www.china-hpmp.com
<b>Magnet Applications</b>	<b>www.magnetapplications.com</b>
National Magnetics Group Inc	www.magneticsgroup.com
Polaris Rare Earth Materials	www.polarisrem.com
Sintex A/S	www.sintex.dk
Techmag, Inc.	www.techmagusa.com

### Components

A/D Electronics Hong Kong	www.adelectronics.com
Dura Magnetics Inc	www.duramag.com
<b>Frontier Electronics Corp.</b>	<b>www.frontierusa.com</b>
Globtek Inc	www.Globtek.com
Laird Technologies	www.lairdtech.com
<b>Magnetics</b>	<b>www.mag-inc.com</b>
Omega Engineering Inc	www.omega.com
Premier Magnetics Inc	www.premiermag.com
Rockwell Collins	www.rockwellcollins.com
Spectrum Control Inc.	www.spectrumcontrol.com
Tamura Corp of America	www.tamuracorp.com
<b>Varflex Corporation</b>	<b>www.varflex.com</b>
Wingard & Co	www.hydroblanking.com

### Compounds

Bakker Magnetics bv	www.bakkermagnetics.com
Creative Materials	www.creativematerials.com
Daido Steel (America), Inc	www.daidosteel.com
Epic Resins	www.epicresins.com
Polaris Rare Earth Materials	www.polarisrem.com
RE Carroll Inc	www.recarroll.com
Toda America Inc	www.todaamerica.com

### Cores

Adams Magnetic Products Co	www.adamsmagnetic.com
BI Technologies Corporation	www.bitechnologies.com
Ceramic Magnetics Inc	www.cmi-ferrite.com
Fair-Rite Products Corp	www.fair-rite.com
Gowanda Electronics Corp	www.gowanda.com

Hitachi Metals America Ltd [www.hitachimetals.com](http://www.hitachimetals.com)  
 Ohio Semitronics Inc [www.ohiosemitronics.com](http://www.ohiosemitronics.com)  
 Payton America Inc [www.paytongroup.com](http://www.paytongroup.com)  
 Taiyo Yuden (USA) Inc [www.t-yuden.com](http://www.t-yuden.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)

### Ferrites

Beacon Electronics [www.beaconelectronics.com](http://www.beaconelectronics.com)  
 East Coast Magnets Pvt. Ltd. [www.sardamagnets.com](http://www.sardamagnets.com)  
**Elna Magnetics** [www.elnamagnetics.com](http://www.elnamagnetics.com)  
 Ferronics Inc [www.ferronics.com](http://www.ferronics.com)  
 Gallup & Associates [www.gallupmag.com](http://www.gallupmag.com)  
 Hangzhou Permanent [www.china-hpmg.com](http://www.china-hpmg.com)  
 Magnetic Products Inc (MPI) [www.mpimagnet.com](http://www.mpimagnet.com)  
**Magnetics** [www.mag-inc.com](http://www.mag-inc.com)  
 RAF Tabtronics LLC [www.raftabtronics.com](http://www.raftabtronics.com)  
 Trans-Tech Inc [www.trans-techinc.com](http://www.trans-techinc.com)  
 Vermont Representatives [www.vermont-rep.com](http://www.vermont-rep.com)

### Flexible Magnets

Daido Steel (America), Inc [www.daidosteel.com](http://www.daidosteel.com)  
 East Coast Magnets Pvt. Ltd. [www.sardamagnets.com](http://www.sardamagnets.com)  
**Electrodyne Company** [www.edyne.com](http://www.edyne.com)  
 Fair-Rite Products Corp [www.fair-rite.com](http://www.fair-rite.com)  
 Hangzhou Permanent [www.china-hpmg.com](http://www.china-hpmg.com)  
 JLP Company [www.jlpc.com](http://www.jlpc.com)  
 Magnum Magnetics [www.magnummagnetics.com](http://www.magnummagnetics.com)  
**Master Magnetics, Inc.** [www.magnetsource.com](http://www.magnetsource.com)  
 SAIMAG Srl [www.saimag.com](http://www.saimag.com)  
 Tridus Int'l [www.tridus.com](http://www.tridus.com)

### NdFeb Magnets

Big Horn Valve Inc [www.bighornvalve.com](http://www.bighornvalve.com)  
 Cedrat SA [www.cedrat.com](http://www.cedrat.com)  
 Digi-Key Corp [www.digkey.com](http://www.digkey.com)  
**Electrodyne Company** [www.edyne.com](http://www.edyne.com)  
**Electron Energy Corporation** [www.electronenergy.com](http://www.electronenergy.com)  
 Gallup & Associates [www.gallupmag.com](http://www.gallupmag.com)  
**Magnet Applications** [www.magnetapplications.com](http://www.magnetapplications.com)  
 Polaris Rare Earth Materials [www.polarisrem.com](http://www.polarisrem.com)  
**Quadrant Magnetics** [www.quadrantmagnetics.com](http://www.quadrantmagnetics.com)  
 Steinert Sturton-Gill Magnetics [www.steinert.com.au](http://www.steinert.com.au)  
**Tengam Engineering, Inc.** [www.tengam.com](http://www.tengam.com)  
 Thinova [www.thinova.com](http://www.thinova.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)  
 Yunsheng USA [www.yunshengusa.com](http://www.yunshengusa.com)

### Rare Earth Magnets

Allstar Magnetics Inc [www.allstarmagnetics.com](http://www.allstarmagnetics.com)  
 Bodine Electric Co [www.bodine-electric.com](http://www.bodine-electric.com)  
 IAP Research, Inc [www.iap.com](http://www.iap.com)  
**Integrated Magnetics** [www.intemag.com](http://www.intemag.com)  
 Magnet City [www.magnetcity.net](http://www.magnetcity.net)  
**Master Magnetics, Inc.** [www.magnetsource.com](http://www.magnetsource.com)

## GMW Associates

955 Industrial Road, San Carlos, CA 94070  
 Contact: Ian Walker  
 Phone: 650-802-8292 Fax: 650-802-8298  
 Email: [ian@gmw.com](mailto:ian@gmw.com) Web site: [www.gmw.com](http://www.gmw.com)

GMW will show: Asahi Hall Element and IC Linear and Switch Magnetic Sensors. Engineering Kits demonstrating solutions for non-contact monitoring of electric current, and linear and angle position. Single and three-component magnetic field measuring instruments from Ametes, Bartington, Group 3, Metrolab and Senis for remote condition monitoring, magnetic field mapping and quality control of permanent and electromagnet systems. Hall, Fluxgate and Rogowski Current Transducers from Ametes, Bergoz, LEM and PEM for OEM and current and power measurement applications in motor control, process control, dc and ac power distribution and smart appliances. Full-scale currents covered from 1mA to 300kA with frequency response from dc to over 500MHz. GMW Laboratory Electromagnet Systems for sensor development, test and calibration.

# GMW Associates

## Integrated Magnetics

11250 Playa Court, Culver City, CA 90230  
 Contact: Anil Nanji  
 Phone: 800-421-6692 Fax: 310-390-4357  
 Email: [info@intemag.com](mailto:info@intemag.com)  
 Web site: [www.intemag.com](http://www.intemag.com)

Integrated Magnetics provides vertically integrated magnetics capabilities with a focus on mission-critical, high reliability, and complex magnetic assemblies. Standard and high performance grades of Rare Earth and other magnetic materials in stock. Custom magnets produced in as little as a few days. Experts in producing precision technical magnet assemblies and systems. Custom engineered electrical machines design and production. FEA magnetic circuit design. Class 1000 cleanroom assembly. Our own plants in California, Mexico and China with extensive in-house production. Serving the semiconductor, medical, oil services, aerospace, and R&D markets. All plants registered to ISO 9000:2000 standard. In business since 1955.



Integrated  
Magnetics

## LE USA Walker Scientific

4280 Giddings Road, Auburn Hills, MI 48326  
 Contact: Brian Palakow  
 Phone: 248-340-7070 Fax: 248-340-7045  
 Email: sales@leusawsi.com  
 Web site: www.laboratorio.elettrofisico.com

Laboratorio Elettrofisico USA Walker Scientific Inc. is a global source for Magnet Processing and Measurement Instrumentation. Specializing in Magnetizer/Demagnetizers, Gaussmeters, Magnetometers, Helmholtz Coils, Electromagnets, Hysteresisgraphs and Magnetic Testing Services. Our Engineering Specialists combined with our new state of the art manufacturing facility provides the latest Magnetic technology solutions. GO TO THE WEB or contact our office to discuss your magnetic applications with our experienced Magnetic Engineers.



## Lake Shore Cryotronics, Inc.

575 McCorkle Blvd., Westerville, OH 43082  
 Contact: Shane Hritz  
 Phone: 614-891-2244 Fax: 614-818-1600  
 Email: info@lakeshore.com  
 Website: www.lakeshore.com

Lake Shore manufactures an advanced line of systems and instruments for characterizing and measuring the magnetic properties of materials as a function of field and temperature. Products include vibrating sample magnetometers (VSM), gaussmeters, fluxmeters, Hall probes and field sensors, Helmholtz coils and search coils, electromagnets, bipolar magnet power supplies, and a bipolar superconducting magnet power supply. The 7400 series VSM from Lake Shore is the most sensitive system available today. Lake Shore gaussmeters, some of which employ advanced DSP technology, are designed for the most demanding DC and AC field measurement applications.



## SmCo Magnets

**Arnold Magnetic Technologies** [www.arnoldmagnetics.com](http://www.arnoldmagnetics.com)  
 BJA Magnetics/Bob Johnson Assoc [www.bjamagnetics.com](http://www.bjamagnetics.com)  
**Electron Energy Corporation** [www.electronenergy.com](http://www.electronenergy.com)  
 Eneflux-Armtek Magnetics (EAM) [www.eamagnetics.com](http://www.eamagnetics.com)  
 Gallup & Associates [www.gallupmag.com](http://www.gallupmag.com)  
 K&J Magnetics Inc [www.kjmagmagnetics.com](http://www.kjmagmagnetics.com)  
 M-Pulse Gmb H&C [www.m-pulse.eu](http://www.m-pulse.eu)  
 Nova Magnetics-Burgmann Ltd [www.novamagnetics.ca](http://www.novamagnetics.ca)  
 Puritan Magnetics Inc [www.puritanmagnetics.com](http://www.puritanmagnetics.com)  
 Shin-Etsu Magnetics Inc [www.shinetsumagnetics.com](http://www.shinetsumagnetics.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)

## Strips/Sheets

Connors Co [www.connorsrep.com](http://www.connorsrep.com)  
 Everson Tesla Inc [www.eversontesla.com](http://www.eversontesla.com)  
 FEMAG Srl [www.femag.it](http://www.femag.it)  
 Industrial Tools Inc [www.magnetics.com](http://www.magnetics.com)  
 JLP Company [www.jlpc.com](http://www.jlpc.com)  
 MagnaPlan Corp [www.visualplanning.com](http://www.visualplanning.com)  
 MK Magnetics Inc [www.mkmagnetics.com](http://www.mkmagnetics.com)  
 Off The Wall Magnetics [www.4thefridge.com](http://www.4thefridge.com)

## Wire

Belden [www.belden.com](http://www.belden.com)  
 Elektrisola Inc [www.elektrisola.com](http://www.elektrisola.com)  
 Gloso Tech America Inc [www.glosotech.com](http://www.glosotech.com)  
 Magnetic Shield Corp [www.magnetic-shield.com](http://www.magnetic-shield.com)  
**New England Wire Technologies**

[www.newenglandwire.com](http://www.newenglandwire.com)  
 Pacific Alloys Corp [www.pacificalloys.com](http://www.pacificalloys.com)  
**SuperPower, Inc.** [www.superpower-inc.com](http://www.superpower-inc.com)  
 Weico Wire & Cable, Inc [www.weicowire.com](http://www.weicowire.com)  
 Whitmor Wire & Cable Corp [www.wireandcable.com](http://www.wireandcable.com)

## Wound Coil

American Power Conversion [www.apcc.com](http://www.apcc.com)  
 CET Technology [www.cettech.com](http://www.cettech.com)  
 ComTronic [www.comtronicsa.com](http://www.comtronicsa.com)  
 DuPont Protection Technologies [www.dupont.com/nomex](http://www.dupont.com/nomex)  
 Eastern Components Inc [www.eastern-components.com](http://www.eastern-components.com)  
 Foster Transformer Co [www.foster-transformer.com](http://www.foster-transformer.com)  
**Frontier Electronics Corp.** [www.frontierusa.com](http://www.frontierusa.com)  
**Gorman Machine Corp.** [www.gormanmachine.com](http://www.gormanmachine.com)  
 HiRel Systems LLC [www.hirelsystems.com](http://www.hirelsystems.com)  
 KG Magnetics, Inc [www.kgmagnetics.com](http://www.kgmagnetics.com)  
 NEC TOKIN America Inc [www.nec-tokinamerica.com](http://www.nec-tokinamerica.com)  
 Schurter Inc [www.schurterinc.com](http://www.schurterinc.com)  
**SuperPower, Inc.** [www.superpower-inc.com](http://www.superpower-inc.com)  
 Vitec Electronics Corp [www.viteccorp.com](http://www.viteccorp.com)

**Materials • Supplies • Equipment • Services**

**Actuators**

**BEI Kimco Magnetics** [www.beikimco.com](http://www.beikimco.com)

**Alloys**

BI Technologies Corporation [www.bitechnologies.com](http://www.bitechnologies.com)  
 Elna Magnetics [www.elnamagnetics.com](http://www.elnamagnetics.com)  
 Hoeganaes Corp [www.hoeganaes.com](http://www.hoeganaes.com)  
 Magnetic Shield Corp [www.magnetic-shield.com](http://www.magnetic-shield.com)  
 Pacific Alloys Corp [www.pacificalloys.com](http://www.pacificalloys.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)  
 Vijay Commercial House [www.nickel-india.com](http://www.nickel-india.com)  
 WCI Steel Inc [www.wcisteel.com](http://www.wcisteel.com)  
 Yunsheng USA [www.yunshengusa.com](http://www.yunshengusa.com)

**Bobbins**

Allstar Magnetics Inc [www.allstarmagnetics.com](http://www.allstarmagnetics.com)  
**Elna Magnetics** [www.elnamagnetics.com](http://www.elnamagnetics.com)  
 EPCOS Inc [www.epcos.com](http://www.epcos.com)  
 Fair-Rite Products Corp [www.fair-rite.com](http://www.fair-rite.com)  
**Gorman Machine Corp.** [www.gormanmachine.com](http://www.gormanmachine.com)  
 Lodestone Pacific [www.lodestonepacific.com](http://www.lodestonepacific.com)  
 NORWE Inc [www.norwe.com](http://www.norwe.com)  
 Torotel Products Inc [www.torotelprod.com](http://www.torotelprod.com)  
 Vitec Electronics Corp [www.viteccorp.com](http://www.viteccorp.com)

**Chokes**

BH Electronics Inc [www.bhelectronics.com](http://www.bhelectronics.com)  
 Hytronics [www.hytronicscorp.com](http://www.hytronicscorp.com)  
**Frontier Electronics Corp.** [www.frontierusa.com](http://www.frontierusa.com)  
 Kolektor Magma DOO [www.kolektormagma.com](http://www.kolektormagma.com)  
 Leightner Electronic Inc [www.Leightner.com](http://www.Leightner.com)  
 Magnet Industry Ltd [www.ferrite.com.tw](http://www.ferrite.com.tw)  
 Pactra Corporation [www.pactraco.com](http://www.pactraco.com)  
 Payton America Inc [www.paytongroup.com](http://www.paytongroup.com)  
 RAF Tabtronics LLC [www.raftabtronics.com](http://www.raftabtronics.com)  
 Schurter Inc [www.schurterinc.com](http://www.schurterinc.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)  
 Wurth Electronics Inc [www.we-online.com](http://www.we-online.com)

**Design/Engineering Services**

3Gmetalworx Inc [www.3gmetalworx.com](http://www.3gmetalworx.com)  
 American Power Conversion [www.apcc.com](http://www.apcc.com)  
 Datatronics [www.datatronics.com](http://www.datatronics.com)  
**Field Precision LLC** [www.fieldp.com](http://www.fieldp.com)  
 Foster Transformer Co [www.foster-transformer.com](http://www.foster-transformer.com)  
 Gowanda Electronics Corp [www.gowanda.com](http://www.gowanda.com)  
 Hoeganaes Corp [www.hoeganaes.com](http://www.hoeganaes.com)  
**Infolytica Corporation** [www.infolytica.com](http://www.infolytica.com)  
 Lord Corporation [www.lord.com](http://www.lord.com)  
 Magnetic Design Labs, Inc [www.magneticdesign.com](http://www.magneticdesign.com)  
**New England Wire Technologies** [www.newenglandwire.com](http://www.newenglandwire.com)

**Magnet Applications**

375 Horsham Road, Suite 200, Horsham, PA 19044  
 Contact: Dan Kinter  
 Phone: 1-800-437-8890 Fax: 215-441-7734  
 Email: Sales@MagnetUS.com  
 Web site: [www.magnetapplications.com](http://www.magnetapplications.com)

With manufacturing facilities in North America and Europe, as well as sales and distribution points around the world, Magnet Applications offers unsurpassed corporate strength and commitment to providing total magnetic solutions to all its customers. As a provider of total magnetic solutions, we offer the capability of meeting any requirement. Whether you are using our Just-In-Time shipping capabilities from our multimillion-piece inventory of stock magnets, or working with our engineers to develop an entirely new permanent magnet assembly for your product, we are the Total Magnetic Solution.

**A Bunting Magnetics Company**



**MEDA**

43676 Trade Center Place, Dulles, VA 20166  
 Contact: Patricia Macintyre  
 Phone: 703-996-8990 Fax: 703-996-8770  
 Email: [pckmacintyre@meda.com](mailto:pckmacintyre@meda.com)  
 Web site: [www.meda.com](http://www.meda.com)

MEDA has been a leading manufacturer of single and three axis fluxgate and induction coil magnetometers since 1980. Applications for these products include geophysical exploration, shielding effectiveness, spacecraft attitude control and general purpose laboratory measurements. Fluxgate products include SINGLE AXIS HANDHELD MAGNETOMETERS, THREE-AXIS HANDHELD MAGNETOMETERS, REFERENCE MAGNETOMETERS (0.01% ACCURACY) AND THREE-AXIS SATELLITE ATTITUDE CONTROL MAGNETOMETERS. These sensors can measure fields from 0.1 nT to 200,000 nT. Induction coil products include SINGLE AXIS SUB-AUDIO SENSORS AND SIGNAL CONDITIONERS. Field measurement range is from sub-nT to greater than 200,000 nT. Frequency range is from 0.1Hz to greater than 100 kHz. MEDA's manufacturing and calibration facilities are ISO9000 compliant and instrument calibrations are traceable to NIST.



## Metrolab Instruments SA

ch. du Pont du Centenaire 110, Plan-les-Ouates  
Geneva, 1228 Switzerland Contact: Claude Thabuis  
Phone: +41 22 884 3311 Fax: +41 22 884 3310  
Email: [contacts@metrolab.com](mailto:contacts@metrolab.com)  
Web site: [www.metrolab.com](http://www.metrolab.com)

Metrolab Instruments is the world leader for high precision measurement and mapping of magnetic fields.

Our customers include: all the major MRI system and magnet manufacturers; most accelerator, calibration, metrology, and national standards laboratories; and several commercial OEM customers.

Metrolab's products include: NMR Precision Teslameters - the gold standard for magnetometers; NMR Magnetic Field Cameras - the best way to map whole-body MRI magnets; Precision Digital Integrators - used with a flux coil to measure or map complicated fields; and Three-axis Hall Magnetometers: for easy measurement and mapping of total field.



## New England Wire Technologies

130 North Main Street, Lisbon, NH 03585  
Contact: Kathy Stevens  
Phone: 603-838-6624 Fax: 603-838-6160  
Email: [sales@newenglandwire.com](mailto:sales@newenglandwire.com)  
Web site: [www.newenglandwire.com](http://www.newenglandwire.com)

New England Wire Technologies is a privately held, employee owned company producing the most technologically advanced wire and cable in the industry. Manufacturer of custom wire & cables—Litz, braids, cables & strands, ultra flexible single, multiconductor, coaxial and miniature cables, we design, develop, test & manufacture specialty products to meet exacting specifications for the medical, automotive, communications, computer, industrial electronics, robotics, and high-energy physics industries.



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## Deposition Systems

Angstrom Sciences Inc	<a href="http://www.angstromsciences.com">www.angstromsciences.com</a>
Dexter Magnetic Technologies Inc	<a href="http://www.dextermag.com">www.dextermag.com</a>
IBS Electronics Inc	<a href="http://www.ibselectronics.com">www.ibselectronics.com</a>
Innovative Systems Engineering	<a href="http://www.iseonline.com">www.iseonline.com</a>
Ningbo Alloy Magnets Co Ltd	<a href="http://www.alloymagnets.com">www.alloymagnets.com</a>
PVD Products Inc	<a href="http://www.pvdproducts.com">www.pvdproducts.com</a>
Unaxis USA Inc	<a href="http://www.datastorage.unaxis.com">www.datastorage.unaxis.com</a>
<b>Williams Advanced Materials</b>	<b><a href="http://www.williams-adv.com">www.williams-adv.com</a></b>

## Electromagnetics

<b>CST of America, Inc.</b>	<b><a href="http://www.cst.com">www.cst.com</a></b>
<b>Field Precision LLC</b>	<b><a href="http://www.fieldp.com">www.fieldp.com</a></b>
<b>LE USA Walker Scientific</b>	<b><a href="http://www.laboratorio.elettrofisico.com">www.laboratorio.elettrofisico.com</a></b>
<b>Infolytica Corporation</b>	<b><a href="http://www.infolytica.com">www.infolytica.com</a></b>
<b>Magnetool, Inc.</b>	<b><a href="http://www.magnetoolinc.com">www.magnetoolinc.com</a></b>

## Electromagnetic Equipment

Agilent Technologies Inc	<a href="http://www.chem.agilent.com">www.chem.agilent.com</a>
BH Electronics Inc	<a href="http://www.bhelectronics.com">www.bhelectronics.com</a>
<b>CST of America, Inc.</b>	<b><a href="http://www.cst.com">www.cst.com</a></b>
Esjay Electronics	<a href="http://www.esjay.com">www.esjay.com</a>
<b>FOERSTER Instruments, Inc.</b>	<b><a href="http://www.foerstergroup.com">www.foerstergroup.com</a></b>
Linear Technology Corporation	<a href="http://www.linear.com">www.linear.com</a>
MagSys Magnet Systems	<a href="http://www.magsys.org">www.magsys.org</a>
Powertronix Corp	<a href="http://www.powertronix.com">www.powertronix.com</a>
RAF Tabtronics LLC	<a href="http://www.raftabtronics.com">www.raftabtronics.com</a>
Sypris Test & Measurement	<a href="http://www.sypris.com">www.sypris.com</a>

## EMC/EMI

3Gmetalworx Inc	<a href="http://www.3gmetalworx.com">www.3gmetalworx.com</a>
Datatronics	<a href="http://www.datatronics.com">www.datatronics.com</a>
Electro-Metrics Corp	<a href="http://www.electro-metrics.com">www.electro-metrics.com</a>
<b>Elna Magnetics</b>	<b><a href="http://www.elnamagnetics.com">www.elnamagnetics.com</a></b>
FerroxCube USA Inc	<a href="http://www.ferroxcube.com">www.ferroxcube.com</a>
Lodestone Pacific	<a href="http://www.lodestonepacific.com">www.lodestonepacific.com</a>
Metuchen Capacitors Inc	<a href="http://www.metcaps.com">www.metcaps.com</a>
Ningbo Southwest Magnetech	<a href="http://www.2stmagnetech.com">www.2stmagnetech.com</a>
Omega Engineering Inc	<a href="http://www.omega.com">www.omega.com</a>
Universal Air Filter Co	<a href="http://www.uaf.com">www.uaf.com</a>
Vitec Electronics Corp	<a href="http://www.viteccorp.com">www.viteccorp.com</a>
Würth Electronics Inc	<a href="http://www.we-online.com">www.we-online.com</a>

## Gaussmeters

A-L-L Magnetics Inc	<a href="http://www.allmagnetics.com">www.allmagnetics.com</a>
<b>Bartington Instruments Ltd</b>	<b><a href="http://www.bartington.com">www.bartington.com</a></b>
Cedrat SA	<a href="http://www.cedrat.com">www.cedrat.com</a>
Exttech Instruments Corp	<a href="http://www.exttech.com">www.exttech.com</a>
<b>GMW Associates</b>	<b><a href="http://www.gmw.com">www.gmw.com</a></b>
KJS Associates Inc	<a href="http://www.maginst.com">www.maginst.com</a>
<b>Lake Shore Cryotronics, Inc.</b>	<b><a href="http://www.lakeshore.com">www.lakeshore.com</a></b>
<b>LE USA Walker Scientific</b>	<b><a href="http://www.laboratorio.elettrofisico.com">www.laboratorio.elettrofisico.com</a></b>
<b>Magnet-Physics, Inc.</b>	<b><a href="http://www.magnet-physics.com">www.magnet-physics.com</a></b>
Magnetic Shield Corp	<a href="http://www.magnetic-shield.com">www.magnetic-shield.com</a>

**Metrolab Instruments SA** [www.metrolab.com](http://www.metrolab.com)  
 Shb Instruments Inc [www.shbinstruments.com](http://www.shbinstruments.com)  
 Sypris Test & Measurement [www.sypris.com](http://www.sypris.com)

## Hall-Effect Systems

ASM Sensors Inc [www.asmsensors.com](http://www.asmsensors.com)  
 Digi-Key Corp [www.digikey.com](http://www.digikey.com)  
 Eneflux-Armtek Magnetics (EAM) [www.eamagnetics.com](http://www.eamagnetics.com)  
 KJS Associates Inc [www.maginst.com](http://www.maginst.com)  
 Magnetic Design Labs, Inc [www.magneticdesign.com](http://www.magneticdesign.com)

**Metrolab Instruments SA** [www.metrolab.com](http://www.metrolab.com)  
 Ohio Semitronics Inc [www.ohiosemitronics.com](http://www.ohiosemitronics.com)  
 Sypris Test & Measurement [www.sypris.com](http://www.sypris.com)  
 Yokogawa Corp of America [www.yokogawa.com/tm](http://www.yokogawa.com/tm)

## Inductors

Adams Magnetic Products Co [www.adamsmagnetic.com](http://www.adamsmagnetic.com)  
 C&D Technologies Inc, Powercom [www.cdtechno.com](http://www.cdtechno.com)  
 Datatronics [www.datatronics.com](http://www.datatronics.com)

**Frontier Electronics Corp.** [www.frontierusa.com](http://www.frontierusa.com)

Hytronics [www.hytronicscorp.com](http://www.hytronicscorp.com)  
 Intusoft [www.intusoft.com](http://www.intusoft.com)

Keithley Instruments Inc [www.keithley.com](http://www.keithley.com)  
 OEA International Inc [www.oea.com](http://www.oea.com)

Payton America Inc [www.paytongroup.com](http://www.paytongroup.com)  
 Rockwell Collins [www.rockwellcollins.com](http://www.rockwellcollins.com)

Torotel Products Inc [www.torotelprod.com](http://www.torotelprod.com)  
**VAC SALES USA LLC** [www.vacuumschmelze.com](http://www.vacuumschmelze.com)

## Instruments

Abess Instruments and Systems, Inc [www.abess.com](http://www.abess.com)

**Bartington Instruments Ltd** [www.bartington.com](http://www.bartington.com)

BVI Magnet GmbH [www.bvi-magnete.de](http://www.bvi-magnete.de)

Capres AS [www.capres.com](http://www.capres.com)

FEMAG Srl [www.femag.it](http://www.femag.it)

Keithley Instruments Inc [www.keithley.com](http://www.keithley.com)

Magnetrol [www.magnetrol.com](http://www.magnetrol.com)

**MEDA** [www.meda.com](http://www.meda.com)

**Metrolab Instruments SA** [www.metrolab.com](http://www.metrolab.com)

NEOARK Corp [www.neoark.co.jp](http://www.neoark.co.jp)

Ohio Semitronics Inc [www.ohiosemitronics.com](http://www.ohiosemitronics.com)

Raztec (NZ) Ltd [www.raztec.co.nz](http://www.raztec.co.nz)

Sypris Test & Measurement [www.sypris.com](http://www.sypris.com)

Taiyo Yuden (USA) Inc [www.t-yuden.com](http://www.t-yuden.com)

Veeco Instruments Inc [www.veeco.com](http://www.veeco.com)

Weschler Instruments [www.weschler.com](http://www.weschler.com)

Yokogawa Corp of America [www.yokogawa.com/tm](http://www.yokogawa.com/tm)

## Laboratory Magnets

Advanced Magnet Lab [www.magnetLab.com](http://www.magnetLab.com)

Buckley Systems Limited [www.buckleysystems.com](http://www.buckleysystems.com)

Everson Tesla Inc [www.eversontesla.com](http://www.eversontesla.com)

**GMW Associates** [www.gmw.com](http://www.gmw.com)

Kelvin Technology, Inc. [www.kelvintechnology.com](http://www.kelvintechnology.com)

## Quality Magnetics Corp.

1220 W. Walnut St., Compton, CA 90220

Contact: Lee Emanuel

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Email: [lee@qmcnet.com](mailto:lee@qmcnet.com)

Web site: [www.qmcnet.com](http://www.qmcnet.com)

Since 1991 we have been manufacturing exotic and ferrous/non-ferrous materials for precision custom designs for radar, microwave, aerospace, medical, automotive and defense industries.



## Quantum Design

6325 Lusk Boulevard, San Diego, CA 92121

Contact: Melissa Figueroa

Phone: 858-481-4400 Fax: 858-481-7410

Email: [sales@qdusa.com](mailto:sales@qdusa.com)

Web site: [www.qdusa.com](http://www.qdusa.com)

Quantum Design is the leading manufacturer of automated material characterization systems for the physics, chemistry, and material science research communities. These systems provide temperatures from 0.05 to 1000 K and magnet fields up to 16 tesla. The Physical Property Measurement System (PPMS®) provides a wide range of measurements, including: magnetometry, electrical transport, heat capacity and thermal transport. The SQUID-based Magnetic Property Measurement System (MPMS®) is the industry standard for ultra-sensitive magnetic measurements. VersaLab is our portable, cryogen-free cryocooler-based Vibrating Sample Magnetometer (VSM). With sensitivity better than 10<sup>-6</sup> emu/rt-Hz, this 3-tesla VSM has a temperature range of 50 to 1000 K.

Quantum Design



## SuperPower, Inc.

450 Duane Ave, Schenectady, NY 12304  
 Contact: Trudy Lehner  
 Phone: 518-346-1414 Fax: 518-346-6080  
 Email: info@superpower-inc.com  
 Web site: www.superpower-inc.com

SuperPower, Inc. develops and manufactures long lengths of robust and high-performance second-generation (2G) high temperature superconductor (HTS) wire, or "coated conductor," that provides important advantages (efficiency, engineering current density, size, weight, green) over copper-based systems for applications in energy and medical technologies, alternative energy, transportation, military, space, industry, science and research. The wire is offered in application-specific configurations while work continues to further improve performance and pricing parameters. SuperPower also offers design, fabrication, and testing of 2G HTS coils to customer specifications, as well as engineering services. Formed in 2000, SuperPower is a subsidiary of Royal Philips Electronics, NV.



## Tengam Engineering, Inc.

545 Washington Street, Otsego, MI 49078  
 Contact: Mark McPherson  
 Phone: 269-694-9466 Fax: 269-694-2196  
 Email: magnets@tengam.com  
 Web site: www.tengam.com

Founded in 1972, Tengam Engineering, Inc. is a manufacturer of custom injection bonded magnets specializing in NdFeB and ferrite magnets and magnetic assemblies. Custom magnets and assemblies designed to meet your specific application. Engineering design assistance is available with short lead-times for prototype parts. Production tooling and test equipment designed in-house. Contact us for quality magnets that are made in the USA and service that you can count on. Products include: Injection Bonded Magnets in Ferrite, Neodymium Iron Boron and Hybrid compounds, Insert Molding, Magnet Assemblies, Magnetizing, Magnetizing Fixtures and Test Equipment.

ISO/TS 16949:2002 Registered



## Magnetizers/Demagnetizers

BJA Magnetics/Bob Johnson Assoc www.bjamagnetics.com  
 Cedrat SA www.cedrat.com  
 Eneflux-Armtek Magnetics (EAM) www.eamagnetics.com  
 IBS Electronics Inc www.ibselectronics.com  
**LE USA Walker Scientific** www.laboratorio.elettrofisico.com  
 MagnaPlan Corp www.visualplanning.com  
**Magnet-Physics, Inc.** www.magnet-physics.com  
**Magnetool, Inc.** www.magnetoolinc.com  
 Puritan Magnetics Inc www.puritanmagnetics.com  
 Steinert Sturton-Gill Magnetics www.steinert.com.au

## Magnetometers

**Bartington Instruments Ltd** www.bartington.com  
 Benz Materials Testing Instruments www.benztesters.com  
 Diagnostic Biosensors LLC www.diagnosticbiosensors.com  
 Eneflux-Armtek Magnetics (EAM) www.eamagnetics.com  
**FOERSTER Instruments, Inc.** www.foerstergroup.com  
 GEM Systems Advanced Magnetometers www.gemsys.ca  
 Hoyt Electrical Instrument Works Inc www.hoytmeter.com  
 IBS Electronics Inc www.ibselectronics.com  
**Lake Shore Cryotronics, Inc.** www.lakeshore.com  
**MEDA** www.meda.com  
**Metrolab Instruments SA** www.metrolab.com  
**Quantum Design** www.qdusa.com  
 RMS Instruments www.rmsinst.com  
 Shb Instruments Inc www.shbinstruments.com

## Manufacturing Equipment

Alliance, LLC www.allianceorg.com  
 ComTronic www.comtronicsa.com  
 Demak America Inc www.demakamerica.com  
 Eirich Machines Inc www.eirich.com  
 Hytronics www.hytronicscorp.com  
 Machine Control Specialists www.mcsinc.net  
 Promess Inc www.promessinc.com  
 Schenck Balancing www.schenck-usa.com  
 Technical Machine Products www.techmach.com  
 V&C Machinery(USA) LLC www.vc-machinery.us

## Manufacturing/Fabrication Services

GKN Sinter Metals www.gknsintermetals.com  
 Hangzhou Permanent www.china-hpmpg.com  
 Lodestone Pacific www.lodestonepacific.com  
 Magnetic Systems International www.msimagnets.com  
**Magnetool, Inc.** www.magnetoolinc.com  
**New England Wire Technologies** www.newenglandwire.com  
 Powertronix Corp www.powertronix.com  
 Taiyo Yuden (USA) Inc www.t-yuden.com  
 Vitec Electronics Corp www.viteccorp.com  
 Yunsheng USA www.yunshengusa.com  
 Zero Manufacturing Inc www.zerocases.com

## Motion Control

Banner Engineering Corp	<a href="http://www.bannerengineering.com">www.bannerengineering.com</a>
<b>BEI Kimco Magnetics</b>	<b><a href="http://www.beikimco.com">www.beikimco.com</a></b>
Cleveland Motion Controls Inc	<a href="http://www.cmcontrols.com">www.cmcontrols.com</a>
Electronic Systems Packaging (ESP)	<a href="http://www.espbuss.com">www.espbuss.com</a>
Ferrotec (USA) Corp	<a href="http://www.ferrotec.com">www.ferrotec.com</a>
HSI Sensing	<a href="http://www.hsisensing.com">www.hsisensing.com</a>
Lord Corporation	<a href="http://www.lord.com">www.lord.com</a>
Moving Magnet Technologies	<a href="http://www.movingmagnet.com">www.movingmagnet.com</a>
OEA International Inc	<a href="http://www.oea.com">www.oea.com</a>
Pepperl & Fuchs	<a href="http://www.am.pepperl-fuchs.com">www.am.pepperl-fuchs.com</a>
Reade Advanced Materials	<a href="http://www.reade.com">www.reade.com</a>
SCHUNK Inc	<a href="http://www.schunk.com">www.schunk.com</a>
Techmag, Inc.	<a href="http://www.techmagusa.com">www.techmagusa.com</a>
Vitec Electronics Corp	<a href="http://www.viteccorp.com">www.viteccorp.com</a>
Yokogawa Corp of America	<a href="http://www.yokogawa.com/tm">www.yokogawa.com/tm</a>

## Motor Components

Atlas Magnetics	<a href="http://www.atlasmagneticseurope.com">www.atlasmagneticseurope.com</a>
<b>BEI Kimco Magnetics</b>	<b><a href="http://www.beikimco.com">www.beikimco.com</a></b>
Bodine Electric Co	<a href="http://www.bodine-electric.com">www.bodine-electric.com</a>
DuPont Protection Technologies	<a href="http://www.dupont.com/nomex">www.dupont.com/nomex</a>
Eastern Components Inc	<a href="http://www.eastern-components.com">www.eastern-components.com</a>
Gallup & Associates	<a href="http://www.gallupmag.com">www.gallupmag.com</a>
<b>Integrated Magnetics</b>	<b><a href="http://www.intemag.com">www.intemag.com</a></b>
Japan Magnet	<a href="http://www.japanmagnets.com">www.japanmagnets.com</a>
K&J Magnetics Inc	<a href="http://www.kjmagnetics.com">www.kjmagnetics.com</a>
Moving Magnet Technologies	<a href="http://www.movingmagnet.com">www.movingmagnet.com</a>
Phoenix America Inc	<a href="http://www.phoenixamerica.com">www.phoenixamerica.com</a>
Sypris Test & Measurement	<a href="http://www.syprix.com">www.syprix.com</a>
Techmag, Inc.	<a href="http://www.techmagusa.com">www.techmagusa.com</a>
<b>Varflex Corporation</b>	<b><a href="http://www.varflex.com">www.varflex.com</a></b>

## Sensors / Encoders / Transducers

Atlantic Components	<a href="http://www.atcomhq.com">www.atcomhq.com</a>
<b>GMW Associates</b>	<b><a href="http://www.gmw.com">www.gmw.com</a></b>
Greenwich Electronics Inc	<a href="http://www.geirelays.com">www.geirelays.com</a>
Hamlin Inc	<a href="http://www.hamlin.com">www.hamlin.com</a>
<b>Ion Physics Corporation</b>	<b><a href="http://www.ionphysics.com">www.ionphysics.com</a></b>
K&J Magnetics Inc	<a href="http://www.kjmagnetics.com">www.kjmagnetics.com</a>
Magna-tech P/M Labs	<a href="http://www.magnatechpmlabs.qpg.com">www.magnatechpmlabs.qpg.com</a>
<b>MEDA</b>	<b><a href="http://www.meda.com">www.meda.com</a></b>
National Magnetics Group Inc	<a href="http://www.magneticsgroup.com">www.magneticsgroup.com</a>
Shb Instruments Inc	<a href="http://www.shbinstruments.com">www.shbinstruments.com</a>
<b>VAC SALES USA LLC</b>	<b><a href="http://www.vacuumschmelze.com">www.vacuumschmelze.com</a></b>

## Software

2COMU	<a href="http://www.2comu.com">www.2comu.com</a>
<b>CST of America, Inc.</b>	<b><a href="http://www.cst.com">www.cst.com</a></b>
GEM Systems Advanced Magnetometers	<a href="http://www.gemsys.ca">www.gemsys.ca</a>
<b>Field Precision LLC</b>	<b><a href="http://www.fieldp.com">www.fieldp.com</a></b>
<b>Infolytica Corporation</b>	<b><a href="http://www.infolytica.com">www.infolytica.com</a></b>
Intusoft	<a href="http://www.intusoft.com">www.intusoft.com</a>
Keithley Instruments Inc	<a href="http://www.keithley.com">www.keithley.com</a>

## VAC SALES USA LLC

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 Website: [www.vacuumschmelze.com](http://www.vacuumschmelze.com)

VACUUMSCHMELZE GmbH & Co. KG is a leading global manufacturer of advanced magnetic materials and related products. VAC produces Rare Earth Permanent Magnets, Soft Magnetic Materials & Parts, Cores and Inductive Components. We are one of the world's leading companies in the field of development, production and application know-how of magnetic materials. VAC offers support in the selection of innovative materials and are able to customize materials with unique properties for optimized solutions. Our research and development is dedicated to ensuring technology leadership. Continuous improvement of process technology and production facilities is our policy to offer competitive high-quality products.



## Varflex Corporation

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 Phone: 315-336-4400 x 225 Fax: 315-336-0005  
 Email: [drashford@varflex.com](mailto:drashford@varflex.com)  
 Web site: [www.varflex.com](http://www.varflex.com)

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Ceradyne Inc	www.ceradyne.com
Integrated Magnetics	www.intemag.com
Microwave Applications Group	www.magsmx.com
PVD Products Inc	www.pvdproducts.com
Tico Titanium Inc	www.ticotitanium.com
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## Superconducting Magnets

Advanced Magnet Lab	www.magnetLab.com
BH Electronics Inc	www.bhelectronics.com
Esjay Electronics	www.esjay.com
IBS Electronics Inc	www.ibselectronics.com
Kinetic Systems Inc	www.kineticgroup.com
<b>Quantum Design</b>	<b>www.qdusa.com</b>
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## Test & Measurement Equipment

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Emscan Corp	www.emscan.com
<b>FOERSTER Instruments, Inc.</b>	<b>www.foerstergroup.com</b>
HiRel Systems LLC	www.hirelsystems.com
<b>Ion Physics Corporation</b>	<b>www.ionphysics.com</b>
KJS Associates Inc	www.maginst.com
<b>Lake Shore Cryotronics, Inc.</b>	<b>www.lakeshore.com</b>
<b>Magnet-Physics, Inc.</b>	<b>www.magnet-physics.com</b>
MagSys Magnet Systems	www.magsys.org
<b>Quantum Design</b>	<b>www.qdusa.com</b>
Schumacher Electric Corp	www.schumacherproducts.com

## Testing Services

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Eastern Components Inc	www.eastern-components.com
KJS Associates Inc	www.maginst.com
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National Technical Systems	www.ntscorp.com
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## Toroids

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## Transformers

Acme Electric Corp	www.acmepower.net
<b>Frontier Electronics Corp.</b>	<b>www.frontierusa.com</b>
Globtek Inc	www.Globtek.com
<b>Ion Physics Corporation</b>	<b>www.ionphysics.com</b>
Philips Advance Lighting	www.advancetransformer.com
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