

IN ASSOCIATION WITH



2013-2014 North American Suppliers Directory

- Materials
- Adhesives
- Electronics
- Motors
- IV Components
- Filters
- Tubing
- Pumps
- Testing
- Valves
- Manufacturing Equipment
- Manufacturing Services
- Manufacturing Software
- Surface Treatment
- Hardware
- Sterilization
- R&D Services
- Packaging
- Printing
- Environmental Control



Lyophilization Services of New England Inc.

Specializes in aseptic liquid filling and lyophilization of medical devices and finished pharmaceuticals. The company provides contract manufacturing services to meet customer needs and has complete regulatory, quality assurance, and in-house validation at all of its facilities.

www.lyophilization.com

Lytron Inc.

Designs and manufactures standard and custom cooling systems and components, including compressor-based recirculating chillers, cold plates, non-refrigerated cooling systems, stainless-steel and copper heat exchangers, and aluminum oil coolers. The company is ISO 9001 certified.

www.lytron.com

Machine Control Specialists Inc.

Manufactures machinery to wind precision medical coils. Machines are

capable of winding round or flat wire as small as 0.001 in. in diam. Mandrel winders or continuous winders are available.

www.mcsinc.com

Machine Solutions Inc.

Supplies process and testing systems to the medical device industry. Processing equipment is suited for stent crimping, stent loading, balloon pleating and folding, marker band swaging, catheter laser bonding, mandrel straightening, and thermal processing. The company's device performance testing unit offers services and equipment to characterize catheter, guidewire, stent, and heart valve performance.

www.machinesolutions.com

MackMedical/Mack Molding Co.

Provides design through FDA-approved manufacturing services to the medical, surgical, orthopedic, diagnostic, and drug-delivery industries. The medical device manufacturer inte-

grates product development, custom injection molding, sheet-metal fabrication, full-service machining, and total product assembly in ISO 9001- and ISO 13485-certified environments. Product development resources include design, prototyping, and extensive engineering services.

www.mack.com

Magnetic Shield Corp.

Manufactures and distributes magnetic shielding alloys in sheets and coils. Standard products include photomultiplier tube shields, flexible conduits, braided cable sleeving, zero-gauss chambers, room enclosures, ac gaussmeters, and magnetic-field probes. Also, custom shields are fabricated to specification.

www.magnetic-shield.com

Mahr Federal Inc.

Offers dimensional gauging equipment, including hand measuring tools; dial and digital indicators; mechanical gauges; air, electronic, laboratory, and height gauges; dimensional standards; gauge calibration systems; and geometry, form, length, surface finish, contour, and gear metrology instruments.

www.mahr.com

Makromed Inc.

Provides software products and consulting services related to quality and regulatory compliance to companies in the medical device, diagnostics, and pharmaceutical industries.

www.makromed.com

Manu Industries Inc.

Manufactures custom cable assemblies and wire harnesses. The company provides 100% electrical testing of all wire assemblies. Quick turnaround times are offered for prototype to high-volume orders. The company is ISO 9002 certified.

www.manuind.com

Manterra Technologies Inc.

Offers custom injection molding of plastic components and assemblies. Product design assistance and prototyping services are also provided,



www.schurter.com/new_pems

V-Lock Hospital Grade Cordsets:

- EN/IEC 60320 cord connectors, C13 or C19
 - NEMA 5-15 plug tested to UL 817, green dot
 - White cable 10 feet (3 m) in length
 - UL Listed, CSA Approved
 - C13* version with SJT 16 AWG cable rated 13A @125 VAC
 - C19 version with SJT 14 AWG cable rated 15A @125 VAC
- * shown with 5707 series power entry module



SCHURTER
ELECTRONIC COMPONENTS



13. Contract Manufacturing and Packaging Services

Advertisers are listed in bold type.

COMPANY

See Ad on Page
 1 Assembly
 2 Brazing/Heat-Treating
 3 Casting
 4 Coating
 5 Converting/Die-Cutting
 6 Electrical Discharge Machining
 7 Extrusion
 8 Laser Machining
 9 Lyophilization
 10 Machining
 11 Machining/Finishing (Metals)
 12 Machining/Finishing (Plastics)
 13 Metal Injection Molding
 14 Molding
 15 Photochemical Machining
 16 Pressure Thermforming
 17 Prototyping
 18 Rapid Prototyping

Lorom Industrial Company, Ltd., Harrisburg, PA, 717/703-1000		1												14				
Lowell Inc., Minneapolis, MN, 763/425-3355		1			5			9	10							17	18	
LSA Laser, Plymouth, MN, 763/744-0246		1	2				7	9	10							17		
LTI Atlanta, Suwanee, GA, 770/418-9005		1			4											17		
Luminous Device Technologies Inc., Sunnyvale, CA, 408/636-0221							7									17	18	
Lyons, Medical Device Solutions, Meriden, CT, 203/238-2689		1	2	3	4	5	7	9	10							17	18	
Lyophilization Services of New England, Manchester, NH, 603/626-5763								8										
M & C Specialties Co., Southampton, PA, 800/441-6996		1			4										16	17	18	
Machine Dynamics Inc., Preston, ID, 208/852-3100								9	10									
MackMedical/Mack Molding Co., Arlington, VT, 802/375-2511		1			4		7	9	10				14		17	18		
Makuta Technics, Shelbyville, IN, 317/642-0001												13	14			17		
Manterra Technologies Inc., Delta, BC, Canada, 604/940-9911		1							10			13	14			17	18	
Manu Industries Inc., Elk Grove Village, IL, 847/806-0312		1																
Marian Inc., Indianapolis, IN, 317/638-6525		1			4				10								18	
Mark Two Engineering Inc., Miami, FL, 305/889-3280		1	2	3			6	9	10		12					17	18	
Marox Corp., Holyoke, MA, 413/536-1300		1				5			9	10								
Marshall Manufacturing, Minneapolis, MN, 800/321-6727									9	10							18	
Martech Medical Products, Harleysville, PA, 215/256-8833		1					6	7	9	10		12	13	14		16	17	18
Master Metal Engineering, South Bend, IN, 574/299-0222									9	10								
Matrix Tool Inc., Fairview, PA, 814/474-5531									9			12	13	14			17	
Matrix Tooling Inc. & Matrix Plastic Products, Wood Dale, IL, 630/595-6144		1				5			9				13	14			17	
Maxtek Components Corp., Beaverton, OR, 800/462-9835		1															17	
MC Electronics, Hollister, CA, 831/637-1651		1											14				17	18
McLean Medical and Scientific Inc., St. Paul, MN, 800/777-9987		1							9								17	
McNeal Enterprises Inc., San Jose, CA, 408/922-7290		1								10						16	17	
MEC Midwest, Milwaukee, WI, 414/228-5000		1															17	18
Medbio Inc., Grand Rapids, MI, 616/245-0214	191	1											13	14			17	18
Medconx, Santa Clara, CA, 408/330-0003		1											13	14			17	18
Medefab, Jaffrey, NH, 603/532-5656		1					6			10			14				17	
Medi-Flex Hospital Products, Overland Park, KS, 913/451-0880		1																
Medical Component Specialists Inc., Bellingham, MA, 508/966-0992									9	10								18
Medical Device Resource Group, Minnetonka, MN, 952/942-8321		1																18
Medical Extrusion Technologies Inc., Murrieta, CA, 951/698-4346	222						6						13				18	
Medical Murray Inc., North Barrington, IL, 847/620-7990		1											13	14			17	18
Medical Polymers Inc., Spencer, IN, 812/829-4851		1											14					
Medical Precision Plastics Inc., Warminster, PA, 215/441-4800		1					6			10								18
Medicoil, Lake Geneva, WI, 262/249-4942		1	2						9								17	18
MediConcepts Ltd., Hong Kong, China, +85 2283 80300		1																
Medikmark Inc., Waukegan, IL, 800/424-8520		1																
Medisize, Vantaa, Finland, +358 13 2684000		1			4		6						13	14		16		
MedMolds, Karachi, Pakistan, +92 21 35078778		1			4					10			13	14			17	18
MedNet GmbH, Muenster, Germany, +49 251 322660							6	7		9								17
MedPlast Inc., Tempe, AZ, 866/748-5439		1											13	14			17	18
Medron Inc., Salt Lake City, UT, 801/974-3010		1												14			17	18
Meier Tool & Engineering, Anoka, MN, 763/427-6275		1				5			9								17	18
Meko Laser Material Processing, Sarstedt, Germany, +49 5066 70790			2					7	9		11						17	18
Melitron, Guelph, ON, Canada, 888/666-4305		1					6		9								17	18
Memry Corp., Bethel, CT, 203/739-1100	81	1	2				6	7	9								17	18
Merit Cables, Santa Ana, CA, 714/918-1932													14				17	
Merit Medical Coatings, South Jordan, UT, 801/316-3700								7									17	
Metal Cutting Corp., Cedar Grove, NJ, 973/239-1100	83					5			9								17	
Metrigraphics LLC, Wilmington, MA 978/658-6100	133	1													15	16	17	
Metro Mold & Design Inc., Rogers, MN, 763/428-8310		1				5			9	10			13	14			17	18

13 Contract Manufacturing and Packaging Services

Company Index

- Lampire Biological Laboratories Inc. 7
Language Intelligence 14
Lansmont Corp. 10, 12
Lantronix 9
Lanxess Corp. 7
Lascar Electronics Inc. 9, 10
Laser Fusion, Laser Welding Div. 13
Laser Light Technologies Inc. 2, 13
Laser Mechanisms Inc. 4, 11
Laserage Technology Corp. 9, 13
See ad on page 171
See Corporate Profile on page 170
LaserLinc Inc. 10
LaserStar Technologies Corp. 2, 11
LasX Industries Inc. 11, 13
Lathrop Engineering Inc. 14
LaVezzi Precision Inc. 13
Layton Technologies 2, 11
LCR Electronics Inc. 6, 9, 10
LCS Constructors Inc. 12
Leader Tech Inc. 9
The Lee Co. 5
See ad on page 52
See Corporate Profile on page 62
Lee Spring 4
See ad on page 49
See Corporate Profile on page 48
Leica Microsystems Inc. 10
Lemo USA Inc. 9
See ad on page 121
See Corporate Profile on page 120
Lenox Instrument Co. 10
Leoni EloCab Ltd. 9
Lexington Precision Corp. 13
Life Science Outsourcing Inc. 10, 13, 15
Light Fabrications Inc. 1, 13
Lighthouse Imaging Corp. 10, 13, 14
LightWorks Optics Inc. 10, 13
Lin Engineering 6, 9
Lind-Rite Precision Inc. 13
Linden Industries Inc. 11
Linemaster Switch Corp. 6, 9
Lingane and Associates 14
LinkTech Couplings Inc. 4
See ad on page 45
Liquid Crystal Resources 10
Lista International Corp. 4
Lloyd Instruments Ltd 10
LMS 3, 5, 13
Logikos 11
Lohmann Precision Die Cutting LLC 13
Loparex Inc. 1
Lorom Industrial Company, Ltd. 9, 13
Lowell Inc. 13
LPKF Laser & Electronics 11
LSA Laser 13
LTI Atlanta 1, 2, 3, 9, 13
Lumen Dynamics 1, 11
Luminous Device Technologies Inc. 13
Lumetrics Inc. 1, 8, 10, 11
Lumex Inc. 9
Lumitex Inc. 9
Luna Analytics 4, 9, 10
Lustre-Cal Nameplate Corp. 2, 9
Luz Inc. 14
Lymtech Scientific 12
See ad on page 21
See Corporate Profile on page 21
Lyons, Medical Device Solutions 2, 8, 13
Lyophilization Services of New England Inc. 13
Lytron Inc. 9
M & C Specialties Co. 1, 13
Machine Control Specialists Inc. 6, 11
Machine Dynamics Inc. 13
Machine Solutions Inc. 10, 11
MackMedical/Mack Molding Co. 13
Macro Sensors 9, 10
Magnetic Shield Corp. 7, 9
Mahr Federal Inc. 10
Makino 11
Makromed Inc. 11
Makuta Technics 13
Man & Machine 9
Mangar Industries Inc. 15, 16
Manterra Technologies Inc. 13, 15
Manu Industries Inc. 9, 13
Mar-Test Inc. 10
March Electronics Inc. 6, 9, 10
Marian Inc. 1, 7, 13
Mark Two Engineering Inc. 13
Mark-10 Corp. 10
Markel Corp. 3, 8, 12
Marox Corp. 13
Marshall Manufacturing 13
Martech Medical Products 8, 13
Martel Instruments 2, 9
Massachusetts Materials Research Inc. 10, 14
Master Bond Inc. 1
See ad on page 15
Master Metal Engineering 13
MasterControl Inc. 11
Matrix Tool Inc. 13
Matrix Tooling Inc. & Matrix Plastic Products 13
Maxtek Components Corp. 9, 10, 13
Maxwell Technologies 9, 10
MB Research Laboratories 10, 14
MBK Enterprises Inc. 1, 7
MC Electronics 13
McClellan & Associates Inc. 11
McLean Medical and Scientific Inc. 13
McNeal Enterprises Inc. 13
MDI Consultants Inc. 11, 14
mdi Europa GmbH 14
MEC Midwest 13, 14
Mechatech 14
Mecmesin Corp. 10
Medbio Inc. 13
See ad on page 191
Medconx 9, 13
Medefab 2, 8, 13
Medi-Flex Hospital Products Inc. 13, 16
Medical Component Specialists Inc. 7, 13
Medical Device Resource Group 10, 13, 15
Medical Device Testing Services 10
Medical Equipment Exchange Inc. 5, 6
Medical Extrusion Technologies Inc. 13
See ad on page 222
See Corporate Profile on page 105
Medical Manufacturing Corp. (MMC) 10, 15
Medical Murray Inc. 13
Medical Polymers Inc. 13
Medical Precision Plastics Inc. 8, 13
Medicoil 13
MediConcepts Ltd. 13
Medikmark Inc. 13
MediMark Europe 14
Medisize 10, 13, 15
MedMolds 3, 13
MedNet GmbH 3, 5, 13
Medo USA Inc. 5
MedPlast Inc. 13
Medron Inc. 13
Medx Inc. 4, 9, 10
Mega Electronics Inc. 9
Meier Tool & Engineering 9, 13
Meissner Filtration Products Inc. 3
MeKo Laser Material Processing 13
Melitron 13
Memory Protection Devices Inc. 9
Memry Corp. 7, 8, 13
See ad on page 81
See Corporate Profile on page 80
Memtron Technologies 9
Mensor Corp. 9, 10
Merit Cables 9, 13
Merit Medical Coatings 2, 13
Merit Sensor 9
Merrill's Packaging Inc. 16
Metal Cutting Corp. 3, 7, 8, 13
See ad on page 83
Metal Surfaces Inc. 2, 7, 9
Metallurgical Engineering Services 10
MetricStream Inc. 11
Metrigraphics LLC 9, 13
See ad on page 133
See Corporate Profile on page 132
Metro Mold & Design Inc. 2, 13
MG America Inc. 11, 16
MGE UPS Systems 9
MGS Mfg. Group 13
Micro 13
Micro Automated Systems Group 10, 11, 16
Micro Crystal, Div. of Swatch Group Inc. 9
Micro Engineering Solutions 13
Micro Industries 9, 10
Micro Power Electronics 9
Micro Precision Components Inc. 6, 9, 10
Micro Precision Swiss 13
Micro Probe Inc. 9
Micro Systems Technologies 9
See ad on page 141
Micro-Matics LLC 13
Micro-Tube Fabricators 13
MicroCare Medical 2, 7
Microcision LLC 13
Microcut Inc. 13, 14
Microdyne Plastics Inc. 13
Microfabrica Inc. 13
MicroGroup Inc. 8, 13
Microlap Technologies 5, 9, 13
MicroLumen Inc. 8