

Laser Institute of America

Laser Applications and Safety

Membership Directory

2009
Guide to Corporate Members' Products and Services



Photo courtesy of Trumpf, Inc.

THE PULSE OF THE INDUSTRY

PHOTONICS MEDIA

Photonics Spectra
EuroPhotonics
BioPhotonics
Photonics Product Showcase
Photonics.com
E-newsletters
Photonics Directory

www.photonics.com



L A S E R I N S T I T U T E O F A M E R I C A

LIA cultivates innovation, ingenuity and inspiration to promote the continued growth and safe use of laser applications.

At the Laser Institute of America (LIA), we believe in the importance of sharing new ideas about lasers. In fact, laser pioneers such as Dr. Arthur Schawlow and Dr. Theodore H. Maiman were among LIA's original board of directors who set the stage for our enduring mission to promote laser applications and their safe use through education, training and symposia.

LIA was formed in 1968 by people who represented the heart of the profession—a group of academic scientists, developers and engineers who were truly passionate about taking an emerging new laser technology and turning it into a viable industry.

Educating the World on Laser Safety

Today, this unwavering dedication continues to propel LIA forward as we meet the growing demand for continuing education and safety training. LIA trains more Laser Safety Officers than any other organization in the world, and now offers two certification exams. We are also proud to offer flexible and convenient learning options including online training, in the classroom, or even on-site.

One of LIA's signature events is the International Congress on Applications of Lasers & Electro-Optics (ICALEO®), which is now viewed as the premier source of technical information in the field. As the market demand for laser applications in Europe and China continues to rise, LIA's Pacific International Conference on Applications of Lasers and Optics (PICALO) has become increasingly more popular.

Serving the Laser Community

Recognized as the international society for laser applications and safety, LIA serves industrial, educational, medical, research and government communities across the globe. Our members are comprised of laser researchers, manufacturers, integrators and end users—all working together to increase the use and safe application of laser technologies.

Setting the Standard

To further enhance LIA's mission of fostering lasers, laser applications, and laser safety worldwide, it serves as the secretariat and publisher of the American National Standards Institute (ANSI) Z136 series of laser safety standards. These standards constitute the foundation of laser safety programs nationwide.



Laser Institute of America

Laser Applications and Safety

13501 Ingenuity Drive

Suite 128

Orlando, FL 32826

USA

1.800.34.LASER

www.laserinstitute.org

2 0 0 9 O F F I C E R S

President

Rajesh Patel
Newport - Spectra Physics

President-Elect

Nathaniel Quick
AppliCote Associates, LLC

Past President

Andreas Ostendorf
Ruhr-University Bochum

Treasurer

Stephen Capp
Lasera Technology Corporation

Secretary

Klaus Löffler
TRUMPF Laser and Systems GmbH

LIA BOARD OF DIRECTORS

2007 - 2009

Magdi Azer
Neil Ball
Eckhard Beyer
Paul Denney

Hau Chung Man

Etsuji Ohmura

Silke Pflüger
Reinhart Poprawe
Y. Lawrence Yao

AFFILIATION

GE Global Research
Directed Light, Inc.
Fraunhofer IWS
Connecticut Center for
Advanced Technology
Hong Kong Polytechnic
University
Department of Manufacturing
Science at Osaka
University
Laserline, Inc.
Fraunhofer ILT
Columbia University

2008 - 2010

David Clark
Paul Crosby
Klaus Kleine
William Lawson
Yongfeng Lu

John Marshall

John Tyrer
Frank Vollertsen
Richard Walker

Dean Wilson

AFFILIATION

Newport - Spectra Physics
Coherent, Inc.
Laserline, Inc.
New Tech Development
University of Nebraska at
Lincoln
The Rayne Institute, St.
Thomas Hospital
Loughborough University
BIAS GmbH
Northrop Grumman, Cutting
Edge Optronics, Inc.
Wilson Industries, Inc.

2009 - 2011

Milan Brandt

Ben Edwards
Bo Gu
Shaparak Kamarei
Lin Li
William O'Neill
Chuck Ratermann
Koji Sugioka
Sri Venkat
Sheldon Zimmerman

AFFILIATION

Swinburne University of
Technology - IRIS
Duke University Medical Center
IPG Photonics Corporation
Solaris Laser Institute
University of Manchester
University of Cambridge
RPMC Lasers, Inc.
Riken
Coherent, Inc.
Naval Surface Warfare Center

ARTHUR L. SCHAWLOW AWARD WINNERS

The Schawlow Award is presented by the LIA to recognize individuals who have made distinguished contributions to the applications of lasers in science, industry, or education.

1982 Arthur Schawlow*

1983 Arthur Guenther*

1984 Kumar Patel

1985 Leon Goldman*

1986 William Bridges

1987 Sidney Charschan

1988 Francis L'Esperance

1989 Milton Chang

1990 Herbert Dwight

1991 Anthony Siegman

1992 Yoshiaki Arata

1993 James L. Hobart

1994 Rocco Lobraico*

1995 David Belforte

1996 William Steen

1997 Conrad Banas

1998 Robert L. Byer

1999 William Schwartz*

2000 Theodor Hänsch

2001 Walter Duley

2002 Akira Matsunawa*

2003 Jyotirmoy Mazumder

2004 Helmut Hügel

2005 David Sliney

2006 Edward Metzbower

2007 Marshall G. Jones

2008 Eckhard Beyer

**Deceased*

PAST PRESIDENTS

1968/69 Art Lubin

1970 Mason Cox

1971 Gordon Gould*

1972 James Smith

1973 Burton Bernard

1974 R. James Rockwell*

1975 Dave Edmunds

1976 Bill Tiffany

1977 Arthur Guenther*

1978 David Belforte

1979 Robert Godwin

1980 Sidney Charschan

1981 David Whitehouse

1982 Jack Aldridge

1983 Myron Wolbarsht

1984 Bob Goldstein

1985 Milton Chang

1986 Jim Luxon

1987 Peter Baker

1988 Michael Bass

1989 Warren Stevenson

1990 C. Murray Penney

1991 Leon Radziemski

1992 Laurence Cramer

1993 Robert Handren

1994 Wendy Laurin

1995 William Schwartz*

1996 Dave Farson

1997 David Sliney

1998 Sarah Cohn Christensen

1999 Terry Feeley

2000 Jyotirmoy Mazumder

2001 Dana Marshall

2002 Eckhard Beyer

2003 William Lawson

2004 Edward Metzbower

2005 William Clark

2006 Joseph O'Brien

2007 William Shiner

2008 Andreas Ostendorf

ELECTED FELLOWS

A Fellow of the Laser Institute of America is an individual who is widely recognized for exceptional professional contributions to both the laser community and the LIA. These contributions are in the fields of education, research, business or in other professional and leadership roles.

Yoshiaki Arata
Peter Baker
Conrad Banas
Ken Barat
Michael Bass
Prem Batra
David Belforte
Eckhard Beyer
Milan Brandt
William Bridges
Robert L. Byer
Milton Chang
Sidney Charschan
Sarah Cohn Christensen
Larry Cramer
Friedrich Dausinger
Paul Denney

Jerome Dennis
Walt Duley
Herbert Dwight
Dave Farson
Terry Feeley
David Flinchbaugh
James K. Franks
Robert Handren
Theodor Hänsch
James L. Hobart
Marshall G. Jones
Aravinda Kar
Ami Kestenbaum
Volodymyr Kovalenko
William P. Latham
Teddi Laurin
Wendy Laurin

William Lawson
Francis L'Esperance
Lin Li
Steven A. Llewellyn
John Marshall
Wesley Marshall
Richard P. Martukanitz
Jyotirmoy Mazumder
Edward Metzbower
Isamu Miyamoto
Robert Ossoff
Andreas Ostendorf
Kumar Patel
Ronald Petersen
Reinhart Poprawe
Nathaniel Quick
Leon Radziemski

John Ready
Stanley Ream
William P. Roach
Benjamin Rockwell
Fred Seeber
Anthony Siegman
David Sliney
William Steen
Robert Thomas
John Tyrer
Kunihiko Washio
David Whitehouse
Myron Wolbarsht
Y. Lawrence Yao
Sheldon Zimmerman

DIRECTORY INDEX

Academy of Laser Dentistry	14	Handren Associates, Inc.	27	Penn State Electro-Optics Center	36
Acceleron, Inc.	14	Hayden Laser Services, LLC	27	Philip Morris USA	36
Accuratus Ceramic Corporation	14	Health Protection Agency	27	Photomachining, Inc.	36
Aculight Corporation	14	High Q Laser (US), Inc.	27	Photonics Industries International, Inc.	36
Adapt Laser Systems	14	High-Rez Diagnostics, Inc.	27	Photonics Spectra	36
Aerotech, Inc.	14	Hong Kong Polytechnic University	27	PolarOnyx, Inc.	36
Air Liquide Industrial U.S. LP	15	Huazhong University of Science & Technology	27	POM Group, Inc.	36
Alabama Laser	15	Huffman Corporation	28	Precitec, Inc.	36
Albany International Research Co.	15	Il-VI Infrared	28	Purex International Ltd.	37
Alcatel-Lucent	15	Innovative Laser Technologies, Inc.	28	Rautaruukki Oyi	37
Allegheny General Hospital	15	IPG Photonics Corporation	28	RAYLASE AG	37
Altos Photonics, Inc.	15	Joining Technologies, Inc.	28	Revision Eyewear	37
American Laser Enterprises, Inc.	15	JPSA Laser	28	Rockwell Laser Industries	37
American Photonics Corp.	16	Kentek Corporation	28	RPM and Associates, Inc.	37
Amplitude Laser	16	Koike Aronson, Inc.	29	RPMC Lasers, Inc.	37
Andon Electronics Corporation	16	L-3 Communications, Link Simulation & Training	29	SCANLAB America, Inc.	37
Andrews Glass Co., Inc.	16	Lanmark Controls, Inc.	29	Servo-Robot, Inc.	38
AppliCote Associates, LLC	16	LASAG Industrial-Lasers	29	Seton Family of Hospitals	38
Applied Energetics, Inc.	16	Laser Advantage, LLC	29	Shanghai Jue Hua Laser Technology Development Co., Ltd.	38
Applied Photonics, Inc.	16	Laser Association (LAS)	29	Silsbee Family Medicine, PA	38
ARCOR Laser Services	17	Laser Association of Australia & New Zealand, Inc.	29	Solaris Laser Institute	38
ARL, The Penn State University	17	Laser Cladding Services, Ltd.	29	Solaris Laser S.A.	38
Association of Laser Users	17	Laser Focus World / Industrial Laser Solutions - Pennwell	30	Solyndra	38
Automation Systems & Integration	17	Laser Life Company	30	Spectra-Physics, A Division of Newport Corporation	38
Bayerisches Laserzentrum GmbH	17	Laser Mechanisms, Inc.	30	Sperian Protection	38
BEAMSTOP'R, Inc.	17	Laser Resale, Inc.	30	SPI Lasers	39
Bigneat Containment Technology	17	Laser S.O.S. Ltd.	30	SPIE	39
Biogenic Technical Instruction, LLC	17	Laser S.O.S. USA, Inc.	30	STC Catalysts, Inc.	39
Board of Laser Safety	18	Laser Safety Industries	30	StockerYale, Inc.	39
Boston Scientific	18	Laser Safety Systems	30	Tampere University of Technology	39
Buffalo Filter	18	Laser Zentrum Hannover e.V.	31	Taroko International Co., Ltd.	39
Calmar Laser, Inc.	18	Laserage Technology Corporation	31	TDK-Lambda Americas	39
Cambridge Technology, Inc.	18	Laserline, Inc.	31	TecOptics, Inc.	39
Cascade Laser Corporation	18	Laser-Professionals, Inc.	31	Telesis Technologies	39
Caterpillar Remanufacturing Drivetrain	18	Lasertel, Inc.	31	Tennessee Rand	40
Celibre Laser Skin Care	19	Lasertripsy Techniques, Ltd.	31	Texcel, LLC	40
CLAIM, The University of Michigan	19	LASERVISION USA	31	The Scripps Research Institute	40
Clark-MXR, Inc.	19	Lee Laser, Inc.	32	The University of Texas at San Antonio	40
Coherent, Inc.	19	Lexington International, LLC	32	Three Rivers Community College	40
Comau, Inc.	19	Lockheed Martin Coherent Technologies (LMCT)	32	TRUMPF Inc. Laser Technology Center	40
Connecticut Center for Advanced Technology - National Aerospace Leadership Initiative	19	Louis Rudzinsky Associates, Inc.	32	U.S. Laser Corporation	40
Control Systemation, Inc.	19	LPL Systems, Inc.	32	Universidade de Vigo	40
CorActive High-Tech	19	Lulea University of Technology	32	University Medical Center at Princeton	40
Corelase	19	Macken Instruments, Inc.	32	University of Arizona	40
CourierTronics / SILL Optics	20	Miyachi Unitek Corporation	32	University of Central Florida CREOL & FPCE, The College of Optics & Photonics	41
Crafford-LaserStar Technologies Corporation	20	Moscow State University	32	University of Texas at Austin	41
CVI Melles Griot	20	Mound Laser & Photonics Center, Inc.	33	USG	41
Cymer, Inc.	20	Neoteric Concepts	33	VIL Laser Systems/Wayne Trail Technologies	41
Del Mar Photonics, Inc.	20	Newport Corporation	33	Vinyl Technologies, Inc. (Vytek)	41
Diode Laser Concepts, Inc.	20	nLIGHT Corporation	33	Virtual Laser Application Design, LLC	41
Directed Light, Inc.	20	NoIR Laser Company	33	VITO	41
Elvex Corporation	20	Norfolk State University	33	Wilson Industries by Jackson Safety	41
Epolin, Inc.	25	Northern Optotronics, Inc.	34	Yamamoto Kogaku Co., Ltd.	41
EWI	25	Northrop Grumman Cutting Edge Optronics	34		
Fiberguide Industries, Inc.	25	Northrop Grumman SYNOPTICS	34		
Finn-Power International, Inc.	25	Nufren	34		
Florida Photonics Cluster	25	OR Laser	34		
Fraunhofer USA, Center for Laser Technology	25	OFS-Specialty Photonics Division	34		
Fraunhofer ILT	25	OceanOptics, Inc.	35		
Fraunhofer IWS	26	Oklahoma State University	35		
Fraunhofer USA, Center for Coatings & Laser Applications	26	Ophir-Spiricon, Inc.	35		
Fumex, Inc.	26	Optometrics Corporation	35		
GE Global Research	26	Oxford Lasers	35		
Gentex Corporation Laser Protection	26	OZ Optics LTD.	35		
GSI Group, Inc.	26				
Haas Laser Technologies, Inc.	27				

INTERNATIONAL**Australia**

Laser Association of Australia & New Zealand, Inc.

Belgium

VITO

Canada

Automation Systems & Intergration
CorActive High-Tech
Northern Optotronics, Inc.
OZ Optics Ltd.
Servo-Robot, Inc.
StockerYale, Inc.

Finland

Corelase
Rautaruukki Oyj
Tampere University of Technology

France

Amplitude Systemes

Germany

Bayerisches Laserzentrum GmbH
Fraunhofer Institute for Laser Technology ILT
Fraunhofer IWS
Laser Zentrum Hannover e.V.
RAYLASE AG

Great Britain

Association of Laser Users
Bigneat Containment Technology
Health Protection Agency
Laser S.O.S. Ltd.
Purex International Ltd.
SPI Lasers

Hong Kong

Hong Kong Polytechnic University

Japan

Yamamoto Kogaku Co., Ltd.

Peoples Republic of China

Huazhong University
of Science & Technology
Shanghai Jue Hua Laser Technology
Development Co., Ltd.

Poland

Solaris Laser S.A.

Russia

Laser Association (LAS)
Moscow State University

Spain

Universidade de Vigo

Sweden

Lulea University of Technology

Taiwan

Laser Life Company
Taroko International Co., Ltd.

UNITED STATES**Alabama**

Alabama Laser

Arizona

Applied Energetics, Inc
Applied Photonics, Inc.
Lasertel, Inc.
University of Arizona

California

Calmar Laser, Inc.
Celibre Laser Skin Care
Coherent, Inc.
Cymer, Inc.
Del Mar Photonics, Inc.
Directed Light, Inc.
High-Rez Diagnostics, Inc.
Laserline, Inc.
LPL Systems, Inc.
Macken Instruments, Inc.
Miyachi Unitek Corporation
Newport Corporation
PolarOnyx, Inc.
Solaris Laser Institute
Solyndra
Spectra-Physics,
A Division of Newport Corporation
The Scripps Research Institute
Wilson Industries by Jackson Safety

Colorado

Lockheed Martin Coherent
Technologies (LMCT)

Connecticut

Accelaron, Inc.
ARCOR Laser Services
Connecticut Center for Advanced
Technology–National Aerospace
Leadership Initiative

Elvex Corporation
Joining Technologies, Inc.
Nufern
OFS-Specialty Photonics Division
Three Rivers Community College

Florida

Academy of Laser Dentistry
American Photonics Corp
AppliCote Associates, LLC
Board of Laser Safety
Control Systemation, Inc.
Florida Photonics Cluster
Handren Associates, Inc.
Lasertripsy Techniques, Ltd.
Lee Laser, Inc.
Lexington International, LLC
Neoteric Concepts
OceanOptics, Inc.
University of Central Florida CREOL,
The College of Optics and Photonics

Georgia

Fumex, Inc

Illinois

Finn-Power International, Inc.
LASAG Industrial-Lasers
Lasera Technology Corporation
OR Laser
SCANLAB America, Inc.
USG

Massachusetts

Cambridge Technology, Inc.
GSI Group, Inc.
Hayden Laser Services, LLC
High Q Laser (US), Inc.
IPG Photonics Corporation
Lanmark Controls, Inc.
Laser Resale, Inc.
Laser SOS USA, Inc.
Louis Rudzinsky Associates, Inc.
Optometrics Corporation
Oxford Lasers, Inc.
Photonics Spectra
Texcel, LLC
Vinyl Technologies, Inc. (Vytek)

Michigan

American Laser Enterprises, LLC
CLAIM, The University of Michigan
Clark-MXR, Inc.
Comau, Inc
for Laser Technology

UNITED STATES

Fraunhofer USA, Center
for Laser Technology
Fraunhofer USA, Center for Coatings
& Laser Applications
Laser Mechanisms, Inc.
NoIR Laser Company
POM Group, Inc.
Precitec, Inc.
TRUMPF Inc. Laser Technology Center

Minnesota

Boston Scientific
Innovative Laser Technologies, Inc.
Laser Safety Industries
LASERVISION USA

Missouri

Adapt Laser Systems
Northrop Grumman
Cutting Edge Optronics
RPMC Lasers, Inc.

Montana

Altos Photonics, Inc.

North Carolina

Northrop Grumman SYNOPTICS

North Dakota

Caterpillar Remanufacturing Drivetrain

New Hampshire

JPSA Laser
Kentek Corporation
Laser Advantage, LLC
Laser Focus World/
Industrial Laser Solutions - PennWell
Photomachining, Inc.

New Jersey

Accuratus Ceramic Corporation
Alcatel-Lucent
Andrews Glass Co., Inc.
Epolin, Inc.
Fiberguide Industries, Inc.
Haas Laser Technologies Inc.
TDK-Lambda Americas
U.S. Laser Corporation
University Medical Center At Princeton

New Mexico

CVI Melles Griot
Laser-Professionals, Inc.

New York

Biogenic Technical Instruction, LLC
Buffalo Filter
CourierTronics / SILL Optics
GE Global Research
Koike Aronson, Inc.
Photonics Industries
International, Inc.
TecOptics, Inc.

Ohio

BEAMSTOP'R, INC.
EWI
Mound Laser & Photonics Center, Inc.
Rockwell Laser Industries
Telesis Technologies
VIL Laser Systems/Wayne
Trail Technologies

Oklahoma

Oklahoma State University

Oregon

Cascade Laser Corporation
Diode Laser Concepts, Inc.

Pennsylvania

Aerotech, Inc.
Allegheny General Hospital –
Clin. Eng. Dept.
ARL, The Penn State University
Gentex Corporation Laser Protection
II-VI Infrared
Penn State Electro-Optics Center
Virtual Laser Application Design, LLC

Rhode Island

Andon Electronics
Technologies Corporation
Crafford - LaserStar
Technologies Corporation
Sperian Protection

South Carolina

Huffman Corporation

South Dakota

RPM and Associates, Inc.

Tennessee

Tennessee Rand

Texas

Air Liquide Industrial U.S. LP
L-3 Communications,
Link Simulation & Training
Laser Cladding Services Ltd.
Seton Family of Hospitals
Silsbee Family Medicine, PA
The University of Texas
At San Antonio
University of Texas At Austin

Utah

Ophir-Spiricon, Inc.

Virginia

Laser Safety Systems
Norfolk State University
Philip Morris USA
STC Catalysts, Inc.

Vermont

Revision Eyewear

Washington

Aculight Corporation
nLIGHT Corporation
SPIE

Wisconsin

Albany International Research Co.

ANCILLARY EQUIPMENT

ANCILLARY COOLING

Applied Photonics, Inc.
Innovative Laser Technologies, Inc.
Solaris Laser S.A.

ANCILLARY FUME

Adapt Laser Systems
Bigneat Containment Technology
Buffalo Filter
GE Global Research
Innovative Laser Technologies, Inc.
Kentek Corporation
Purex International Ltd.
Solaris Laser S.A.
TRUMPF Inc. Laser Technology Center

ANCILLARY GAS HANDLING

Applied Photonics, Inc.
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser

ANCILLARY OTHER

Innovative Laser Technologies, Inc.
Kentek Corporation
Macken Instruments Inc.

BEAM DELIVERY

FIBER

Aculight Corporation
Alabama Laser
Alcatel-Lucent
American Laser Enterprises, LLC
Bayerisches Laserzentrum GmbH
BEAMSTOP'R, INC.
Crafford-LaserStar
Technologies Corporation
Directed Light Inc.
Fiberguide Industries Inc
Huffman Corporation
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Laser Mechanisms, Inc.
Laser Zentrum Hannover e.V.
Newport Corporation
Solaris Laser S.A.
Spectra-Physics, A Division
of Newport Corporation
U.S. Laser Corporation

OPTICAL COMPONENTS

Alcatel-Lucent
Altos Photonics, Inc.
American Laser Enterprises, LLC
American Photonics Corp
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
BEAMSTOP'R, INC.
Directed Light Inc.
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Kentek Corporation
Laser Mechanisms, Inc.
Laser SOS USA, Inc.
Laser Zentrum Hannover e.V.
Neoteric Concepts
Newport Corporation
Ophir-Spiricon, Inc.
Photomachining, Inc.
SCANLAB America, Inc.
Solaris Laser S.A.
Spectra-Physics, A Division
of Newport Corporation
TRUMPF Inc. Laser Technology Center
U.S. Laser Corporation
University of Texas At Austin

OPTICAL MOUNTS

Aculight Corporation
Altos Photonics, Inc.
American Laser Enterprises, LLC
Applied Photonics, Inc.
BEAMSTOP'R, INC.
Directed Light Inc.
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Kentek Corporation
Laser Cladding Services Ltd.
Laser Mechanisms, Inc.
Laser SOS USA, Inc.
Laser Zentrum Hannover e.V.
Neoteric Concepts
Newport Corporation
Photomachining, Inc.
Photonics Industries International, Inc.
SCANLAB America, Inc.
Spectra-Physics, A Division
of Newport Corporation
U.S. Laser Corporation
University of Texas At Austin

PROCESSING HEADS

American Laser Enterprises, LLC
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
Crafford-LaserStar
Technologies Corporation
Directed Light Inc.
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Laser Cladding Services Ltd.
Laser Mechanisms, Inc.
Lulea University of Technology
SCANLAB America, Inc.
Solaris Laser S.A.
TRUMPF Inc. Laser Technology Center
U.S. Laser Corporation

SCANNERS

American Laser Enterprises, LLC
BEAMSTOP'R, INC.
Directed Light Inc.
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Laser Mechanisms, Inc.
Laser Zentrum Hannover e.V.
Neoteric Concepts
SCANLAB America, Inc.
Solaris Laser S.A.
TRUMPF Inc. Laser Technology Center
U.S. Laser Corporation

OTHER

American Laser Enterprises, LLC
BEAMSTOP'R, INC.
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Mechanisms, Inc.
Spectra-Physics, A Division
of Newport Corporation
U.S. Laser Corporation

INTERESTS

AUTOMOTIVE

Aerotech, Inc.
American Laser Enterprises, LLC
Bayerisches Laserzentrum GmbH
Directed Light Inc.
Fiberguide Industries Inc

Fraunhofer IWS
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 GE Global Research
 Health Protection Agency
 Innovative Laser Technologies, Inc.
 Kentek Corporation
 Laser Cladding Services Ltd.
 Lulea University of Technology
 Ophir-Spiricon, Inc.
 SCANLAB America, Inc.
 Spectra-Physics, A Division
 of Newport Corporation
 SPI Lasers
 StockerYale, Inc.
 TRUMPF Inc. Laser Technology Center
 U.S. Laser Corporation
 VIL Laser Systems/Wayne Trail
 Technologies

COMMUNICATION

Aculight Corporation
 Alcatel-Lucent
 AppliCote Associates, LLC
 Bayerisches Laserzentrum GmbH
 Directed Light Inc.
 Fiberguide Industries Inc
 GE Global Research
 Health Protection Agency
 Kentek Corporation
 Ophir-Spiricon, Inc.
 Spectra-Physics, A Division
 of Newport Corporation
 Sperian Protection
 SPI Lasers

CONSULTANTS

Aculight Corporation
 AppliCote Associates, LLC
 Applied Photonics, Inc.
 Bayerisches Laserzentrum GmbH
 BEAMSTOP'R, INC.
 Directed Light Inc.
 EWI
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 Health Protection Agency
 Kentek Corporation
 Ophir-Spiricon, Inc.
 Rockwell Laser Industries
 SPI Lasers
 VIL Laser Systems/Wayne
 Trail Technologies

MEDICAL FACILITY

Aculight Corporation
 Bayerisches Laserzentrum GmbH
 BEAMSTOP'R, INC.
 Buffalo Filter
 Directed Light Inc.
 Fiberguide Industries Inc
 Health Protection Agency
 Huffman Corporation
 Innovative Laser Technologies, Inc.
 Kentek Corporation
 Laser Zentrum Hannover e.V.
 Ophir-Spiricon, Inc.
 Photomachining, Inc.
 SCANLAB America, Inc.
 Spectra-Physics, A Division
 of Newport Corporation
 SPI Lasers
 TRUMPF Inc. Laser Technology Center

MILITARY/GOVERNMENT

Aculight Corporation
 Aerotech, Inc.
 Altos Photonics, Inc.
 American Laser Enterprises, LLC
 American Photonics Corp
 AppliCote Associates, LLC
 BEAMSTOP'R, INC.
 Buffalo Filter
 Directed Light Inc.
 Fiberguide Industries Inc
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 GE Global Research
 Gentex Corporation Laser Protection
 Health Protection Agency
 Huffman Corporation
 Innovative Laser Technologies, Inc.
 Kentek Corporation
 Ophir-Spiricon, Inc.
 Photomachining, Inc.
 Spectra-Physics, A Division
 of Newport Corporation
 Sperian Protection
 SPI Lasers
 StockerYale, Inc.
 TRUMPF Inc. Laser Technology Center
 U.S. Laser Corporation
 VIL Laser Systems/Wayne
 Trail Technologies

UNIVERSITY

Fraunhofer IWS
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 Laser Zentrum Hannover e.V.
 Lulea University of Technology
 University of Arizona
 University of Central Florida CREOL,
 The College of Optics and Photonics
 University of Texas At Austin

JOB SHOP

BRAZING

Abicor Binzel Corp.
 Directed Light Inc.
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 Lulea University of Technology
 Nuvonyx Inc.
 TRUMPF Inc. Laser Technology Center

CLADDING

Alabama Laser
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 Huffman Corporation
 Laser Cladding Services Ltd.
 Lulea University of Technology
 TRUMPF Inc. Laser Technology Center

CUTTING FLATBED

Alabama Laser
 Directed Light Inc.
 JPSA
 Lulea University of Technology
 TRUMPF Inc. Laser Technology Center

CUTTING MULTI-AXIS

Alabama Laser
 Bayerisches Laserzentrum GmbH
 Directed Light Inc.
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 Huffmann Corporation
 JPSA
 TRUMPF Inc. Laser Technology Center

CUTTING TUBE

Alabama Laser
Directed Light Inc.
JPSA
Lulea University of Technology
TRUMPF Inc. Laser Technology Center

DRILLING

Bayerisches Laserzentrum GmbH
Directed Light Inc.
Huffman Corporation
JPSA Laser
Neoteric Concepts
Photomachining, Inc.

ENGRAVING

BEAMSTOP'R, INC.
Mound Laser & Photonics Center, Inc.
nLIGHT Corporation
TRUMPF Inc. Laser Technology Center

HARDENING

Alabama Laser
Fraunhofer USA, Center for Coatings
& Laser Applications
Laser Cladding Services Ltd.
Lulea University of Technology
TRUMPF Inc. Laser Technology Center

MARKING

Alabama Laser
BEAMSTOP'R, INC.
Directed Light Inc.
JPSA Laser
Mound Laser & Photonics Center, Inc.
Neoteric Concepts
Solaris Laser S.A.
TRUMPF Inc. Laser Technology Center

MICRO PROCESSING

Bayerisches Laserzentrum GmbH
Directed Light Inc.
JPSA Laser
Mound Laser & Photonics Center, Inc.
Neoteric Concepts
Photomachining, Inc.
TRUMPF Inc. Laser Technology Center

NANO PROCESSING

Bayerisches Laserzentrum GmbH
Directed Light Inc.
Laser Cladding Services Ltd.
Mound Laser & Photonics Center, Inc.
TRUMPF Inc. Laser Technology Center

RAPID PROTOTYPING

Bayerisches Laserzentrum GmbH
Laser Cladding Services Ltd.
Lulea University of Technology
TRUMPF Inc. Laser Technology Center

REFURBISHED

Directed Light Inc.
Huffman Corporation
JPSA Laser
Nuvonyx Inc.

SOLDERING

Bayerisches Laserzentrum GmbH
Directed Light Inc.
Lulea University of Technology
TRUMPF Inc. Laser Technology Center

SPECIAL PURPOSE

Bayerisches Laserzentrum GmbH
Fraunhofer USA, Center for Coatings
& Laser Applications
Huffman Corporation
Neoteric Concepts
U.S. Laser Corporation

WELDING METALS

Alabama Laser
Bayerisches Laserzentrum GmbH
Directed Light Inc.
Fraunhofer USA, Center for Coatings
& Laser Applications
Huffman Corporation
Laser Cladding Services Ltd.
Lulea University of Technology
Mound Laser & Photonics Center, Inc.
TRUMPF Inc. Laser Technology Center

WELDING PLASTICS

Alabama Laser
Bayerisches Laserzentrum GmbH
Lulea University of Technology

OTHER

Nuvonyx Inc.

**LASER MANUFACTURERS/
SYSTEM INTEGRATORS****CO2 CW MANUFACTURERS**

Alabama Laser
American Laser Enterprises, LLC
American Photonics Corp
Applied Photonics, Inc.
BEAMSTOP'R, INC.
Directed Light Inc.
Finn-Power International, Inc.
Fraunhofer Center for Laser Technology
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Huffman Corporation
Innovative Laser Technologies, Inc.
Laser Advantage, LLC
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Lasera Technology Corporation
Lulea University of Technology
Newport Corporation
Rockwell Laser Industries
Solaris Laser S.A.
TRUMPF Inc. Laser Technology Center
VIL Laser Systems/Wayne Trail
Technologies

**CO2 PULSED
MANUFACTURERS**

Alabama Laser
American Laser Enterprises, LLC
American Photonics Corp
Applied Photonics, Inc.
Directed Light Inc.
Fraunhofer Center for Laser Technology
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Huffman Corporation
Innovative Laser Technologies, Inc.
Laser Advantage, LLC
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Lasera Technology Corporation
Newport Corporation
Photomachining, Inc.
Rockwell Laser Industries
Spectra-Physics, A Division
of Newport Corporation
TRUMPF Inc. Laser Technology

DIODE MANUFACTURERS

Alabama Laser
 Alcatel-Lucent
 American Laser Enterprises, LLC
 American Photonics Corp
 BEAMSTOP'R, INC.
 Crafford-LaserStar
 Technologies Corporation
 Directed Light Inc.
 Fraunhofer Center for Laser Technology
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 GE Global Research
 Huffman Corporation
 Innovative Laser Technologies, Inc.
 Laser Cladding Services Ltd.
 Laser SOS USA, Inc.
 Laser Zentrum Hannover e.V.
 Lasertel, Inc.
 Lulea University of Technology
 Neoteric Concepts
 Newport Corporation
 nLIGHT Corporation
 Rockwell Laser Industries
 Solaris Laser S.A.
 Spectra-Physics, A Division
 of Newport Corporation
 TRUMPF Inc. Laser Technology Center
 U.S. Laser Corporation
 VIL Laser Systems/Wayne
 Trail Technologies

EXCIMER MANUFACTURERS

Applied Photonics, Inc.
 BEAMSTOP'R, INC.
 Innovative Laser Technologies, Inc.
 JPSA Laser
 Laser Zentrum Hannover e.V.
 Neoteric Concepts
 Photomachining, Inc.
 Rockwell Laser Industries

FIBER MANUFACTURERS

Aculight Corporation
 Adapt Laser Systems
 Alabama Laser
 Alcatel-Lucent
 American Laser Enterprises, LLC
 American Photonics Corp
 Amplitude Systemes
 BEAMSTOP'R, INC.
 Crafford-LaserStar Technologies
 Corporation

Directed Light Inc.
 Fiberguide Industries Inc
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 GE Global Research
 Huffman Corporation
 Innovative Laser Technologies, Inc.
 Laser Cladding Services Ltd.
 Laser Zentrum Hannover e.V.
 Lulea University of Technology
 Neoteric Concepts
 Newport Corporation
 nLIGHT Corporation
 Photomachining, Inc.
 Rockwell Laser Industries
 Solaris Laser S.A.
 Spectra-Physics, A Division
 of Newport Corporation
 SPI Lasers
 TRUMPF Inc. Laser Technology Center
 U.S. Laser Corporation
 VIL Laser Systems/Wayne Trail
 Technologies

ION MANUFACTURERS

BEAMSTOP'R, INC.
 GE Global Research
 Innovative Laser Technologies, Inc.
 Laser Cladding Services Ltd.
 Newport Corporation
 Rockwell Laser Industries
 Spectra-Physics, A Division
 of Newport Corporation

ND:YAG MANUFACTURERS

Adapt Laser Systems
 Alabama Laser
 Altos Photonics, Inc.
 American Laser Enterprises, LLC
 Applied Photonics, Inc.
 ARCOR Laser Services
 BEAMSTOP'R, INC.
 Cascade Laser Corporation
 Crafford-LaserStar Technologies
 Corporation
 Directed Light Inc.
 Fraunhofer Center for Laser Technology
 Fraunhofer USA, Center for Coatings
 & Laser Applications
 GE Global Research
 Innovative Laser Technologies, Inc.
 Joining Technologies, Inc.
 JPSA Laser

Laser Advantage, LLC
 Laser Cladding Services Ltd.
 Laser SOS USA, Inc.
 Laser Zentrum Hannover e.V.
 Laserage Technology Corporation
 Lee Laser, Inc.
 Lulea University of Technology
 Mound Laser & Photonics Center, Inc.
 Neoteric Concepts
 Newport Corporation
 Northrop Grumman SYNOPTICS
 Photonics Industries International, Inc.
 Rockwell Laser Industries
 Solaris Laser S.A.
 Spectra-Physics, A Division
 of Newport Corporation
 TRUMPF Inc. Laser Technology Center
 U.S. Laser Corporation
 VIL Laser Systems/Wayne
 Trail Technologies

OTHER GAS

BEAMSTOP'R, INC.
 GE Global Research
 Innovative Laser Technologies, Inc.
 Newport Corporation
 Rockwell Laser Industries
 Spectra-Physics, A Division of Newport
 Corporation

**REPLACEMENT PARTS
MANUFACTURERS**

American Laser Enterprises, LLC
 Directed Light Inc.
 Innovative Laser Technologies, Inc.
 JPSA Laser
 Kentek Corporation
 Laser Cladding Services Ltd.
 Laser Mechanisms, Inc.
 Laser SOS USA, Inc.
 Rockwell Laser Industries
 Spectra-Physics, A Division
 of Newport Corporation
 U.S. Laser Corporation

SOLID STATE MANUFACTURERS

Aculight Corporation
Alabama Laser
Altos Photonics, Inc.
American Laser Enterprises, LLC
Amplitude Systemes
Applied Photonics, Inc.
Directed Light Inc.
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Lee Laser, Inc.
Lulea University of Technology
Neoteric Concepts
Newport Corporation
Photomachining, Inc.
Photonics Industries International, Inc.
Rockwell Laser Industries
Spectra-Physics, A Division
of Newport Corporation
TRUMPF Inc. Laser Technology Center
U.S. Laser Corporation

OTHER MANUFACTURERS

Aculight Corporation
Adapt Laser Systems
Altos Photonics, Inc.
Buffalo Filter
Innovative Laser Technologies, Inc.
Laser Advantage, LLC
Laser Mechanisms, Inc.
Lasera Technology Corporation
Mound Laser & Photonics Center, Inc.
Rockwell Laser Industries
U.S. Laser Corporation

MATERIALS

GASES

Applied Photonics, Inc.
GE Global Research
Innovative Laser Technologies, Inc.

PROTECTIVE

Applied Photonics, Inc.
BEAMSTOP'R, INC.
Epolin, Inc.
GE Global Research

Gentex Corporation Laser Protection
Innovative Laser Technologies, Inc.

STEEL

Finn-Power International, Inc.
Huffman Corporation
Innovative Laser Technologies, Inc.
JPSA Laser
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Lulea University of Technology

OTHER

AppliCote Associates, LLC
Applied Photonics, Inc.
GE Global Research
Huffman Corporation
Innovative Laser Technologies, Inc.
Laser Cladding Services Ltd.
Lulea University of Technology
Photomachining, Inc.

R&D

APPLICATION

Alabama Laser
Alcatel-Lucent
American Laser Enterprises, LLC
AppliCote Associates, LLC
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
Crafford-LaserStar
Technologies Corporation
Directed Light Inc.
Fiberguide Industries Inc
Fraunhofer Institute
for Laser Technology ILT
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Huffman Corporation
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Lulea University of Technology
Newport Corporation
Northrop Grumman SYNOPTICS
Ophir-Spiricon, Inc.
Photomachining, Inc.
Spectra-Physics, A Division
of Newport Corporation
TRUMPF Inc. Laser Technology Center
University of Arizona

University of Central Florida CREOL,
The College of Optics and Photonics
University of Texas At Austin

BEAMS & OPTICS

Alcatel-Lucent
American Laser Enterprises, LLC
American Photonics Corp
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
BEAMSTOP'R, INC.
Directed Light Inc.
Fiberguide Industries Inc
Fraunhofer Institute
for Laser Technology ILT
Fraunhofer USA, Center for Coatings
& Laser Applications
GE Global Research
Innovative Laser Technologies, Inc.
JPSA Laser
Kentek Corporation
Laser Mechanisms, Inc.
Laser Zentrum Hannover e.V.
Neoteric Concepts
Newport Corporation
Ophir-Spiricon, Inc.
Photomachining, Inc.
Photonics Industries International, Inc.
SCANLAB America, Inc.
Spectra-Physics, A Division of Newport
Corporation
StockerYale, Inc.
TRUMPF Inc. Laser Technology Center
University of Arizona
University of Central Florida CREOL,
The College of Optics and Photonics
University of Texas At Austin

OTHER

AppliCote Associates, LLC
Bayerisches Laserzentrum GmbH
Crafford-LaserStar
Technologies Corporation
Directed Light, Inc.
Innovative Laser Technologies, Inc.
Mound Laser & Photonics Center, Inc.
Spectra-Physics, A Division
of Newport Corporation
University of Arizona
University of Central Florida
The College of Optics and Photonics

REPAIRS & CALIBRATION

LASER SOURCES

Applied Photonics, Inc.
Directed Light Inc.
GE Global Research
JPSA Laser
Kentek Corporation
Photomachining, Inc.
Photonics Industries International, Inc.
Spectra-Physics, A Division
of Newport Corporation

MECHANICAL

Applied Photonics, Inc.
Directed Light Inc.
GE Global Research
Kentek Corporation

OTHER

Macken Instruments Inc.

SAFETY

EQUIPMENT

Adapt Laser Systems
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
Buffalo Filter
Directed Light Inc.
GE Global Research
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Ophir-Spiricon, Inc.
Purex International Ltd.
Rockwell Laser Industries
University of Texas At Austin

EYEWEAR

Altos Photonics, Inc.
American Laser Enterprises, LLC
Applied Photonics, Inc.
Bayerisches Laserzentrum GmbH
BEAMSTOP'R, INC.
Directed Light Inc.
GE Global Research
Gentex Corporation Laser Protection
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Laser SOS USA, Inc.

Laser Zentrum Hannover e.V.
Newport Corporation
Northrop Grumman SYNOPTICS
Rockwell Laser Industries
Spectra-Physics, A Division of Newport
Corporation
Sperian Protection
StockerYale, Inc.
U.S. Laser Corporation
University of Texas At Austin
Wilson Industries by Jackson Safety

SIGNS

Applied Photonics, Inc.
BEAMSTOP'R, INC.
GE Global Research
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Laser Zentrum Hannover e.V.
Photonics Industries International, Inc.
Rockwell Laser Industries
University of Texas At Austin
Wilson Industries by Jackson Safety

TRAINING

Bayerisches Laserzentrum GmbH
GE Global Research
Health Protection Agency
Innovative Laser Technologies, Inc.
Kentek Corporation
Laser Cladding Services Ltd.
Rockwell Laser Industries



Academy of Laser Dentistry
P.O. Box 8667
Coral Springs, FL 33075-8667 USA
Phone: 877-527-3776
Fax: 954-757-2598
Email: laserexec@laserdentistry.org
Web: www.laserdentistry.org

The Academy of Laser Dentistry is an international professional membership association of dental practitioners and supporting organizations dedicated to improving the health and well being of patients through the proper use of laser technology. The Academy actively supports education and research through its certification programs, publications, meetings and additional activities. The Academy fosters dialogue and seeks to build community among its members and dental organizations, educational institutions, researchers, industry representatives and others who share in this mission.



Acceleron, Inc.
Laser Division
21 Lordship Rd.
East Granby, CT 06026-9589 USA
Phone: 860-651-9333
Fax: 860-651-5881
Email: info@acceleron-enbeam.com
Web: www.acceleroninc.com

Laser and Electron Beam services, cutting, welding, drilling, slotting, marking and engraving. Full fabrication and assembly, 8 YAG and CO2 capabilities with new 3000watt CO2 L2530 high production flat sheet-cutting machine up to .750 thick steel. 20 Electron Beam Machines, High speed Electron beam hole drilling with ranges up to 2000 holes per second. Hole size repeatability +/- .001, location +/- .0005 depth to width ratio up to 25:1.



Accuratus Ceramic Corporation
35 Howard Street
Phillipsburg, NJ 08865-3060 USA
Phone: 908-213-7070
Fax: 908-213-7069
Email: info@accuratus.com
Web: www.accuratus.com

Accuflect close coupled ceramic diffuse reflectors, 95% to 99% reflectance, delivers outstanding beam profile and energy, in a near perfect Lambertian behavior across the entire wavelength spectrum. High performance cavities with minimum lensing and solarization are perfect for all lamp- and diode-pumped solid-state lasers.



ACULIGHT®

Aculight Corporation
22121 20th Ave. SE
Bothell, WA 98021 USA
Phone: 425-482-1100, Ext 206
Fax: 425-482-1101
Email: nancy.bettes@aculight.com
Web: www.aculight.com

Founded in 1993, Aculight produces standard laser-based products and customer specific solutions with wavelengths from the ultraviolet to the mid-infrared. Aculight provides all functions from basic research through product development and manufacturing. Our broad portfolio of technologies includes solid-state lasers, fiber lasers, mid-IR lasers, optical parametric oscillators and spectrally beam combined high brightness lasers.



Adapt Laser Systems
2615 Holmes Street
Kansas City, MO 64108 USA
Phone: 816-531-7402
Fax: 816-531-7403
Email: info@adapt-laser.com
Web: www.laserfilter.com

Adapt Laser Systems offers state-of-the-art fume extraction systems for laser and other fume and particle emitting applications. Our systems are ideal for a wide range of laser processes such as cutting, marking, engraving and cleaning. We offer filter units for all laser power ranges, from 10 W up to multiple kW.



Aerotech, Inc.
101 Zeta Dr.
Pittsburgh, PA 15238-2897 USA
Phone: 412-963-7470
Fax: 412-963-7459
Email: rrekowski@aerotech.com
Web: www.aerotech.com

Aerotech manufactures motion control and positioning systems and components used in laboratory and industrial laser applications. Products include high-speed gantry systems; linear, rotary, and lift stages; linear and rotary motors and drives; single- and multi-axis software-based and stand-alone motion controllers; nanopositioners; gimbals/optical mounts; and goniometers. Custom and vacuum-prepped systems and components are available.



Air Liquide Industrial U.S. LP
 12800 W Little York
 Houston, TX 77041 USA
 Phone: 713-896-2333
 Fax: 713-896-2390
 Email: charles.caristan@airliquide.com
 Web: www.us.airliquide.com

Air Liquide is a worldwide leader in industrial and medical gases and related services. We are an industry pioneer in lasing gases technologies and creative solutions for laser welding and cutting processes.



Alabama Laser
 55 Laser Blvd.
 Munford, AL 36268 USA
 Phone: 256-358-9055
 Fax: 256-358-4515
 Email: als@alspi.com
 Web: www.alabamalaser.com

Alabama Laser offers laser cladding and welding services, as well as process development, custom laser systems, specialized R&D services, and a complete range of additional laser job shop services. Our manufacturing experience coupled with our engineering research team helps us provide solutions for the customer's specific application needs.

Albany International Research Co.

435 Sixth Street
 Menasha, WI 54952 USA
 Phone: 508-369-7595
 Fax: 508-339-4996
 Email: Dana_Eagles@albint.com



Alcatel-Lucent
 600 Mountain Ave., Rm. 1F101J
 Murray Hill, NJ 07974-0636 USA
 Phone: 908-582-7338
 Toll Free: 800-252-2835
 Fax: 908-582-7338
 Web: www.alcatel-lucent.com

Alcatel-Lucent is an innovation driver with research centers throughout the world conducting fundamental and applied research in communication technologies, as well as design and develop today's and tomorrow's communications technologies. It is the market leader in optics (terrestrial and submarine). Leveraging its technology, portfolio and innovation vision, Alcatel-Lucent is spearheading the transformation to all packet transport solutions.

Allegheny General Hospital

Clinical Engineering Department
 320 E North Ave.
 Pittsburgh, PA 15212 USA
 Phone: 412-359-4946
 Fax: 412-359-3447
 Email: jpakulsk@wpahs.org



Altos Photonics, Inc.
 201 South Wallace Ave., Suite B2C
 Bozeman, MT 59715 USA
 Phone: 406-581-4662
 Fax: 909-363-8637
 Email: sales@altosphotonics.com
 Web: www.altosphotonics.com

Altos Photonics offers femtosecond, mode locked, and Q-switched lasers and tunable systems for research and industrial customers. Additional products include non-linear crystals (BBO, KTP, ZGP, KYW, KGW, etc), optical mounts, USB-controlled stages, and other related products. Altos Photonics sells and services products from EKSPLA, EKSMA, Light Conversion & Standa.



American Laser Enterprises, Inc.
 P.O. Box 309
 Novi, MI 48376 USA
 Phone: 248-449-3714
 Fax: 248-449-7631
 Email: slspretall@a-l-e.net
 Web: www.a-l-e.net

American Laser Enterprises is an engineering / design / manufacturing organization providing customized solutions for new applications and system developments. Training, technical, manufacturing advice, and system upgrades is available to organizations growing in the laser equipment industry or advancing technology in their organization.



American Photonics Corp
6216 28th Street E.
Bradenton, FL 34203 USA
Phone: 941-752-5811
Fax: 941-752-5861
Toll-Free: 866-464-7370
Email: sales@americanphotonics.com
Web: www.americanphotonics.com

Manufacturer and coater of infrared optics from prototype to production quantities. Materials include zinc selenide, zinc sulfide, silicon, germanium, gallium arsenide, and copper. Coatings are anti-reflective, high reflector, partial reflector, beam combiner, beam splitter, polarization sensitive, zero phase shifters, and phase retarders. Wavelengths are 3um to 14um.



Amplitude Laser
6, Allee Du Doyen Georges Brus
Pessac, 33600 France
Phone: +33-5-5646-4060
Fax: +33-5-5646-0694
Email: info@amplitude-systemes.com
Web: www.amplitude-systemes.com

Amplitude Systemes manufactures a new generation of ultrafast lasers, using direct diode-pumping of Ytterbium doped materials. Main features are small size, ease of use and high reliability. Products include high energy femtosecond oscillators (t-Pulse series), as well as high repetition rate femtosecond amplifiers (s-Pulse series) and fiber amplifiers (Tangerine series).

Andon Electronics Corporation

4 Court Drive
Lincoln, RI 02865 USA
Phone: 401-333-0388
Fax: 401-333-0287
Email: info@andonelect.com
Web: www.andonelect.com

Andrews Glass Co., Inc.

3740 N West Blvd.
Vineland, NJ 08360 USA
Phone: 856-692-4435
Fax: 856-692-5357
Email: ccarelli@andrews-glass.com
Web: www.andrews-glass.com

Since 1948, Andrews Glass Company has been recognized as a leading producer of custom, engineered glass products servicing the industrial and scientific markets. Our core area of expertise includes the fabrication of tubular glass components used in the manufacture of laser systems. Our specialties include CO₂, HeNe, YAG, excimer components and glass to metal seals.



AppliCote Associates, LLC
894 Silverado Court
Lake Mary, FL 32746 USA
Phone: 407-474-4269
Fax: 407-823-6880
Email: nquick@applicote.com
Web: www.applicote.com

We are a materials and process technology development company. Our portfolio of patented and proprietary materials, processing and device technologies enable the creation of new embedded devices for energy, communications, photonics, life sciences and environmental fields of use. These devices include the next generation of semiconductor chips (nano size) and large area (macro size) energy conversion devices.



Applied Energetics, Inc.
3590 East Columbia
Tucson, AZ 85714 USA
Phone: 520-628-7415
Fax: 520-622-3835
Web: www.appliedenergetics.com

Applied Energetics, Inc., based in Tucson, AZ, specializes in development and manufacture of advanced high performance lasers, high voltage electronics, advanced optical systems, and integrated guided energy systems for defense, aerospace, industrial, and scientific customers worldwide. Applied Energetics pioneered the development of Laser Guided Energy (LGE™) technology, and related solutions for defense and security applications. For more information about Applied Energetics, please visit www.appliedenergetics.com.



Applied Photonics, Inc.
7432 E Tierra Buena Ln., Suite 101
Scottsdale, AZ 85260 USA
Phone: 480-998-2333
Fax: 480-998-2201
Email: info@appliedphotonics.com
Web: www.appliedphotonics.com

Applied Photonics provides proprietary laser solutions to the FPD, solar and semiconductor markets. Applied Photonics™ laser technology replaces traditional mechanical tools with laser light for a variety of applications, including precision laser separation (cutting), edge chamfering, annealing, and patterning. Major product lines in-line laser cutting systems for large substrate cutting (up to 2500 mm), standalone tools for cell phone cutting, touch panels and other substrates, and automated laser equipment targeted for the FPD and semiconductor industries.

ARCOR Laser Services

427D Hayden Station Rd.
Windsor, CT 06095 USA
Phone: 860-925-6770
Fax: 860-298-0474
Email: sales@arcorlaser.com
Web: www.arcorlaser.com

ARL, The Penn State University

Laser Processing Division
Rear Research West, PO Box 30
State College, PA 16801 USA
Phone: 814-863-7282
Fax: 814-865-0865
Email: rxm44@psu.edu
Web: www.arl.psu.edu

The Laser Processing Consortium meets the needs of private industry by developing laser processing technology in the areas of laser welding, cladding, cutting, surface processing, and sensing/monitoring technology. The Consortium is primarily devoted to the transfer of laser processing technology to the private industry sector. In addition, ARL Penn State's Laser Processing Division offers these services to both government and private industry.



Association of Laser Users
Oxford House, 100 Ock Street
Abingdon
Oxon, OX14 5DH Great Britain
Phone: +44-1235-539595
Fax: +44-1235-550499
Email: info@ailu.org.uk
Web: www.ailu.org.uk

The Association of Laser Users (AILU) is an independent UK-based non-profit organization dedicated to helping laser users make the best use of laser technology.



Automation Systems & Intergration
2650 Meadowvale Blvd, Unit 7
Mississauga, ON L5N6M5 Canada
Phone: 905-542-3350
Email: david@automationsystems.ca

Automation Systems & Integration are a Canadian based company specializing in custom made laser applications. Based in Mississauga, Ontario they provide solutions to laser marking and engraving, building purpose made machines to achieve the customers goals. Every machine designed and supplied matches the cutomers specifications and requirements.



Bayerisches Laserzentrum GmbH
Konrad-Zuse Str. 2-6
Erlangen, D-91052 Germany
Phone: +49-9131-97790-0
Fax: +49-9131-97790-11
Email: info@blz.org

The non-profit research association Bayerisches Laserzentrum (blz) is one of the centres for applied laser research in Germany. The blz assists industrial companies to open up new application areas for photonics, in the field of metal and polymer processing, for example, or in electronics production, automotive or medical.



A DIVISION OF CONTRACT SURFACE PRODUCTS, INC.

BEAMSTOP'R, Inc.
23715 Mercantile Rd., Suite 106B
Beachwood, OH 44122 USA
Phone: 216-831-8287
Fax: 216-831-8829
Email: beamstopr@aol.com
Web: www.beamstopr.com

BEAMSTOP'R - laser protection curtains. Confines a laser's beam, ensuring a safe working environment in laser spectroscopy laboratories in hospitals and medical and dental offices. Protects against occupational eye and skin exposure resulting from reflective laser radiation. Cost effective and custom made. Meets and exceeds OSHA and ANSI regulations. Proven laser impenetrable.

Bigneat Containment Technology

4 & 5 Piperswood Industrial Estate, Waterberry Drive
Waterlooville, PO7 7XU Great Britain
Phone: +44-2392266400
Fax: +44-2392263373
Email: sales@bigneat.com
Web: www.bigneat.com

Bigneat manufacture the Lastec range of laser plume extraction and purification systems, specifically designed to effectively remove smoke, dust and fumes, which are generated when a material is lased. Bigneat bring 25 years of experience of filtering hazardous fumes and recirculate clean air back into the working area.



Biogenic Technical Instruction, LLC
409 Mandeville St.
Utica, NY 13502-4609 USA
Toll Free: 800-367-3322
Fax: 315-368-0044
Email: bob@btlaser.com
Web: www.btilaser.com

BTI is a leading supplier to the emerging dental materials joining industry. We supply technology, materials and safety education at our Utica, NY location to dental labs throughout the US, Canada, and Mexico. BTI provides support for several dental Nd:YAG lasers including the leading edge FiberWeld laser, which is at our premier professional training facility.



Board of Laser Safety

Board of Laser Safety
13501 Ingenuity Dr., Suite 128
Orlando, FL 32826 USA
Phone: 407-380-1553
Email: bls@lasersafety.org
Web: www.lasersafety.org

The mission of the Board of Laser Safety is to provide a means for improvement in the practice of laser safety by providing opportunities for the education, assessment, and recognition of laser safety professionals.



Delivering what's next.™

Boston Scientific
One SCIMED Place
Maple Grove, MN 55311-1566 USA
Phone: 763-494-1700
Fax: 763-494-2000
Web: www.bostonscientific.com

Boston Scientific is the world's largest medical device company dedicated to less-invasive therapies. The Minnesota based Cardiology Group develops medical technologies for interventional cardiologists, interventional radiologists, and vascular surgeons. Their products are used to diagnose and treat cardiovascular and peripheral vascular disease and other cardiovascular disorders. Boston Scientific is a complete interventional cardiovascular source.



Buffalo Filter
595 Commerce Dr.
Amherst, NY 14228 USA
Phone: 716-835-7000
Fax: 716-835-3414
Email: smoke-info@buffalofilter.com
Web: www.buffalofilter.com

Buffalo Filter is a medical device manufacturer with a primary focus on manufacturing and engineering products for the evacuation and filtration of hazardous smoke plume generated during laser/electrosurgical procedures. Products include: surgical smoke evacuators, ULPA/HEPA replacement filters, and accessories (tubes, adapters, and wands) for various medical specialties.



Calmar Laser, Inc.
755 North Pastoria Ave.
Sunnyvale, CA 94085 USA
Phone: 408-733-7800
Fax: 408-733-3800
Email: peter.h@calmarlaser.com
Web: www.calmaropt.com

Ultrashort pulsed fiber laser systems and modules up to 10W average power, 1550/1060nm femtosecond & picosecond pulsewidth; fiber laser based chirped pulse amplification system with high pulse energy; PM, high power EDFA and YDFA; Pulse picker; Pulse compressor; Tunable 0.4-45GHz 1~15ps; 640GHz bit rate multipliers with tunable delay >200ps.



Cambridge Technology Inc.
25 Hartwell Avenue
Lexington, MA 02421 USA
Phone: 781-541-1600
Fax: 781-541-1601
Email: davidf@camtech.com
Web: www.cambridgetechnology.com

Cambridge Technology Inc. is the market leader in closed-loop, galvanometer based optical scanning components, servos, controllers and closed frame mounting blocks providing superior performance in a wide variety of applications including laser marking, engraving, drilling, machining, biomedical, ophthalmology, DNA sequencing, confocal microscopy, laser entertainment and projection, and any application where laser beam steering is required.

Cascade Laser Corporation

101 N Elliott Rd.
Newberg, OR 97132 USA
Phone: 503-554-1926
Toll Free: 800-443-5561
Fax: 503-554-8285

Web: www.cascadelaser.com/index.htm

Cascade Laser Corporation is one of the largest and most respected providers of laser supplies and accessories in the world. As a service oriented company, we are dedicated to making your job easier. Our continued commitment is to supply you with top quality products, on time and at a fair price. We understand that when you require a replacement part, you need it right away.

Caterpillar Remanufacturing Drivetrain

1262 West Main Ave
West Fargo, ND 58078 USA
Phone: 701-282-5294
Fax: 701-282-6105
Email: agates@gremada.com

Celibre Laser Skin Care

23211 Hawthorne Blvd., Suite 200
Torrance, CA 90505 USA
Phone: 310-373-5000
Fax: 310-373-5012
Email: kevin.dicerbo@celibre.com
Web: www.celibre.com

Celibre is the most trusted name in laser skin care. We specialize in using cosmetic medical lasers to treat problem skin conditions such as acne, acne scars, unwanted hair, wrinkles, spider veins, port wine stains, melasma, tattoos and more.



CLAIM, The University of Michigan
2040 G.G. Brown Hall Bldg.
2350 Hayward Street
Ann Arbor, MI 48109-2125 USA
Phone: 734-647-6824
Fax: 734-763-5772
Email: mazumder@umich.edu
Web: www.claim.engin.umich.edu

Developing a fundamental understanding of laser-aided intelligent manufacturing to reduce lead-time for concept to product for U.S. industry.



Clark-MXR, Inc.
7300 West Huron River Dr.
Dexter, MI 48130-1065 USA
Phone: 734-426-2803
Fax: 734-426-6288
Email: sales@cmxr.com
Web: www.cmxr.com

Manufacturer of high technology products for the scientific and industrial market. Products include ultrafast diode-pumped laser sources, ultrafast micromachining systems, ultrashort pulse laser sources, optical parametric amplifiers, and scanning optical delay lines.



Coherent, Inc.
5100 Patrick Henry Dr.
Santa Clara, CA 95054-1112 USA
Phone: 408-764-4983
Toll Free: 800-572-3786
Fax: 408-764-4646
Email: tech.sales@coherent.com
Web: www.coherent.com

Coherent, Inc. is one of the world's leading suppliers of photonics-based solutions in a broad range of material processing applications. We design, manufacture and market lasers, laser-based systems, precision optics, non-linear optical materials and related accessories for a diverse group of customers. We are innovating new product offerings to meet your photonics application needs.

Comau, Inc

21000 Telegraph
Southfield, MI 48033 USA
Phone: 248-368-3041
Fax: 248-368-2511
Email: brent.kelso@comauinc.com



Connecticut Center for Advanced Technology
National Aerospace Leadership Initiative
409 Silver Lane, Suite 1
East Hartford, CT 06118 USA
Phone: 860-291-8832
Fax: 860-291-8874
Email: pdenney@ccat.us
Web: www.ccat.us

CCAT is responding to the technological demands in the next generation of manufacturing which includes working with government, companies and universities. As an example of this, CCAT is managing the Air Force's NALI program which addresses the critical needs of the US aerospace manufacturing supply chain including laser processing.

Control Systemation Inc

2419 Lake Orange Dr.
Orlando, FL 32837 USA
Phone: 407-926-3500
Fax: 407-926-3590
Email: clcsales@controllaser.com
Web: www.controlssystemation.com

CorActive High-Tech

2700 Jean Perrin, Suite 121
Quebec, QC G2C 1S9 Canada
Phone: 418-845-2466
Fax: 418-845-2609
Email: sales@coractive.com
Web: www.coractive.com

CorActive manufactures Specialty Optical Fiber products for OEM customers serving the telecommunications, sensor, defense, security, industrial, medical and aerospace industries. CorActive offers a full line of standard SOF products including erbium doped, double clad, Mid-IR fiber, ultra violet sensitive and attenuating optical fiber, plus custom fiber development services for specific applications.

Corelase

Vesiroineenkatu 3,
PO Box 73
Tampere, 33720 Finland
Phone: +358-20-769-9900
Fax: +358-20-769-9901
Email: info@corelase.fi
Web: www.corelase.fi

Corelase is a manufacturer of high power modelocked and CW fiber lasers and diode lasers. The company is based in Tampere Finland. The company's flag ship product, X-Lase is a mode locked fiber laser producing picosecond pulses at 6 uJ energy with 4 MHz Repetition rate with 24 Watts of average power. X-lase is ideal for tasks such as micro-machining, silicon wafer grooving, and pulse laser deposition.



CourierTronics / SILL Optics
 315 Carrolls Grove Road
 Troy, NY 12180 USA
 Phone: 518-279-9500
 Fax: 518-279-3864
 Email: cdehnert@couriertronics.com
 Web: www.couriertronics.com

CourierTronics is the North American distributor for SILL Optics offering f-theta scan lens from 248 to 1064nm, fused silica, telecentric scan lens, color corrected standard and telecentric scan lens and fixed, zoom and motorized zoom beam expanders. Custom lens are also available.



Crafford-LaserStar Technologies Corporation
 1 Industrial Ct.
 PO Box 15155
 Riverside, RI 02915 USA
 Phone: 401-438-1500
 Fax: 401-434-7260
 Email: esales@laserstar.net
 Web: www.laserstar.net

One of the leading suppliers of laser welding and marking machines to the industrial marketplace. The only U.S. manufacturer to design and manufacture a complete range of Nd:YAG pulse laser systems for micro-welding and marking applications. Superior service and technical support is available from any one of their national LaserStar Centers in RI, FL, and CA. MADE IN USA



CVI Melles Griot
 200 Dorado Pl. SE
 Albuquerque, NM 87123-3605 USA
 Phone: 505-296-9541
 Toll Free: 800-296-9541
 Fax: 505-298-9908
 Email: optics@cvimellesgriot.com
 Web: www.cvimellesgriot.com

CVI Melles Griot gets you what you need, when you need it. From the UV to the IR we offer unmatched breadth and flexibility in lasers, optical components, and electro-optical assemblies. Our extensive catalog, along with our custom and build-to-print capabilities deliver solutions from prototype to high-volume, OEM quantities.



Cymer, Inc.
 17075 Thornmint Ct.
 San Diego, CA 92127-2413 USA
 Phone: 858-385-7300
 Fax: 858-385-7100
 Email: rherrman@cymer.com
 Web: www.cymer.com



Del Mar Photonics, Inc.
 4119 Twilight Ridge
 San Diego, CA 92130 USA
 Phone: 858-876-3133
 Fax: 858-630-2376
 Email: sales@dmphotonics.com
 Web: www.dmphotonics.com

Manufacturer and system integrator of advanced photonics products for scientific and industrial applications. Product portfolio includes ultrafast laser oscillators and amplifiers based on Ti:Sapphire, Cr:Forsterite, Er- and Yb- doped fiber, and a variety of measurement tools such as autocorrelators, SPIDER and cross-correlator. Integration of femtosecond systems for multiphoton imaging, nanophotonics, micromachining, ultrafast fluorescence and absorption spectroscopy systems.

Diode Laser Concepts, Inc.

4731 Industry Dr.
 Central Point, OR 97502-3240 USA
 Phone: 541-773-5321
 Fax: 541-773-1705
 Web: www.diodelaserconcepts.com

DLC designs and manufactures the most reliable laser diode modules on the market today. We offer a wide variety of wavelengths, beam configurations, and fan angles for line or spot generation. DLC also offers contract optoelectronic design and manufacturing of higher level optoelectronic and mechanical subassemblies.



Directed Light, Inc.
 633 River Oaks Pkwy.
 San Jose, CA 95134-1907 USA
 Phone: 408-321-8500
 Toll Free: 800-468-2326
 Fax: 408-321-8466
 Email: info@directedlight.com
 Web: www.directedlight.com

Directed Light was founded in 1983 with the objective of providing high quality, cost-effective laser products, repair and service to the industrial, medical and scientific marketplace. Directed Light also provides contract laser processing for a wide variety of materials, offering processing solutions from UV to Far IR. We offer welding (including hermetic-sealing), cutting, drilling, marking and ablation.



Elvex Corporation
 13 Trowbridge Dr.
 PO Box 850
 Bethel, CT 06801-2858 USA
 Phone: 203-743-2488
 Fax: 203-791-2278
 Email: info@elvex.com
 Web: www.elvex.com

Bolle' laser eyewear protection meets ANSI and DIN, including direct hit requirements. Six stylish and contemporary frame styles in combination with 20 different filters can satisfy most laser environments. Special OEM products and programs available.

Selections Made Simple

New Comprehensive Data Sheets

Fiberguide Industries, Inc., is pleased to announce the complete update of our product data sheets. See why many are saying that Fiberguide has upped the ante once again. With this new design, Fiberguide's data sheets are the most comprehensive ever. Each data sheet highlights the features and specific applications of each fiber. They also include new spectral graphs, cut-away drawings and charts which will make fiber selection and ordering easier than ever. The new data sheets will be made available on CD and until then, they can be downloaded from Fiberguide's web site.



1 Bay Street
 Stirling, NJ 07980
 Telephone: 908-647-6601
 Fax: 908-647-8464
info@fiberguide.com



www.fiberguide.com



Onsite Training

BRING CUSTOMIZED
**LASER SAFETY
 TRAINING**
 TO YOUR FACILITY

To receive a quote call today!
1.800.34 LASER



**Laser Institute
 of America**
 Laser Applications and Safety



The Bright Choice.

For decades, TRUMPF has provided innovations in laser processing for marking, cutting, welding, drilling, and metal deposition.

Built with high-quality focusing optics, beam guidance components, and optic monitoring sensors, TRUMPF lasers and laser systems are robust and meet strict standards for superior processing. As a leading producer of laser sources and systems, we supply versatile laser solutions for virtually any manufacturing need – from small and precise medical device manufacturing to heavy industrial applications.

CO₂ Lasers

Disk Lasers

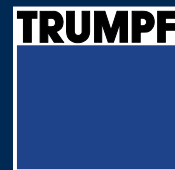
Fiber Lasers

Pulsed Lasers

Ultrafast Lasers

Marking Lasers

Fabricating Equipment



It must be a

734-454-7200 / oeminfo@us.trumpf.com



OXFORD

*Established
1977*

www.oxfordlasers.com

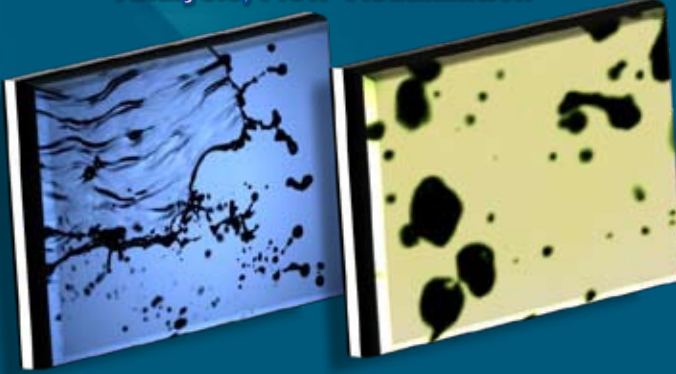
LASERS

World Experts Providing

Research & Development, Application Lab and Complete Laser System Solutions

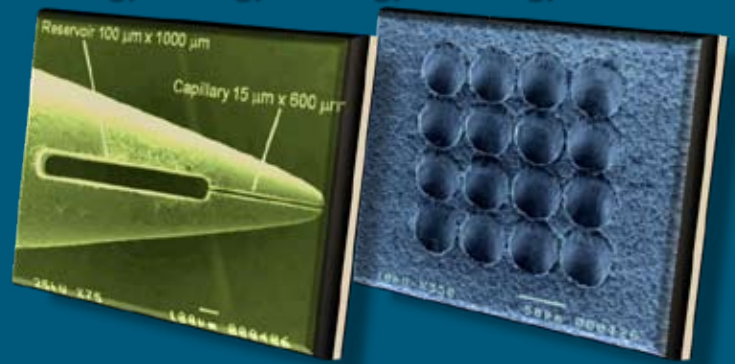
LASER IMAGING

Droplet & Particle Sizing, Spray Pattern Analysis, Flow Visualization



LASER MICROMACHINING

Drilling, Milling, Cutting, Scribing, Ablation



US# 800-222-3632 Int# 011-44-1235-810088

WWW.OXFORDLASERS.COM

w w w . l a s e r m e c h . c o m



Industrial Laser Process Solutions

Before you design or purchase your next industrial laser beam delivery system, take a close look at the advantages that Laser Mechanisms has to offer:

- Complete system analysis
- CAD drawings for your quotations
- Combined engineering experience over 300 years
- Systems for all lasers up to 25 kW
- Modular construction of all systems for ease of repair and replacement
- Designs to suit O.E.M. configurations

We Specialize In:

- Value line standard components
- Guaranteed performance delivery systems
- Large spare parts and optics inventory
- Robotic system integration
- Fast delivery
- "Just In Time" O.E.M. supplier arrangements



Laser Mechanisms, Inc.

Phone: (248) 474-9480 • Fax: (248) 474-9277

E-mail: info@lasermech.com

In Europe:

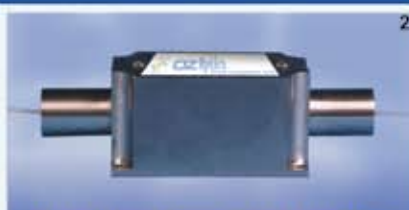
Phone: +32(0)92 18 70 70 • Fax: +32(0)92 18 70 79

High Power Fiber Optic Components and Instruments



High Power Patchcords And Connectors

Able To Transmit Over 100W Of Optical Power
Operating Wavelengths From 200nm To 2000nm
PMF, SMF, And MMF. High Power AR Coatings



High Power Fiber Pigtailed Isolators

Low Insertion Loss. Up To 50 Watts Power Handling
Available From 400 - 2000nm
Polarization Independent, High Isolation



High Power Collimators/Focusers

Up To 10 Watts Power Handling
SM, PM and Specialty Fiber Versions
Available for 320nm to 2000nm Wavelengths



High Power Optical Coatings

High Power AR, Beamsplitter, Dichroic Coatings On
Fibers, Micro Optics, Lenses, Plates, Prisms Etc.
Low Temperature High Abrasion Resistant Coatings



High Power Shutters And Safety Interlock

Up To 100 Watts Power Handling
Fiber-Fiber and Source-Fiber Versions
Available for 180nm to 2000nm Wavelengths



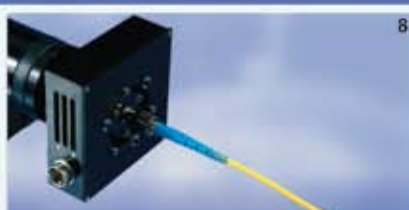
High Power Inline Taps/Power Monitors

Up To 10 Watts Power Handling
SM, PM and Specialty Fiber Versions
Available for 320nm to 2000nm Wavelengths



Laser To Fiber Couplers With Electrically Controlled Attenuators

> 60% Coupling Efficiency For SMF & PMF
60dB Attenuation Range
0.5dB Accuracy, 0.01dB Resolution



Laser To Fiber Coupler With TE Cooler

Up To 100 Watts CW Power Handling
0.1°C Temperature Control
SMF, MMF & PMF Versions



Laser To Fiber Coupler With Shutters

>60% Coupling Efficiency For SMF & PMF
Up To 3 Watts Optical Power Handling
Ideal For Safety Interlocks, Remote Control



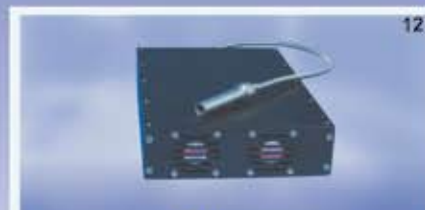
High Power Pulsed Fiber Sources

Up To 20kW Peak Powers
1070nm Or 1550nm Wavelengths
Gaussian Output Beam, Low Cost



Erbium Doped Fiber Amplifiers

Up To 5W Output Powers
C-Band, L-Band Or C+L Band Versions
PM Fiber Versions



Fiber Lasers

Singlemode And Multimode Versions
Up To 100 Watt Output Powers, Low Cost
Diffraction Limited Output Beams



Epolin, Inc.
 358-364 Adams Street
 Newark, NJ 07105 USA
 Phone: 973-465-9495
 Fax: 973-465-5353
 Email: epolin@epolin.com
 Web: www.epolin.com

Epolin, Inc manufactures and sells laser absorbing Epolight, dyes, Spectre, coatings and Luminate, plastic compounds that absorb notches in the UV, visible, and NIR spectra. The company also markets visibly opaque absorbers for near infrared cut-on filters or long wavelength band pass filters.



EWI
 1250 Arthur E. Adams Dr.
 Columbus, OH 43221-3585 USA
 Phone: 614-688-5000
 Fax: 614-688-5001
 Email: info@ewi.org
 Web: www.ewi.org

EWI is North America's leading industry-driven engineering organization focusing on welding and materials joining technologies, providing a full service engineering and technology resource to manufacturing. EWI's equipment capabilities include CO₂, Nd:YAG, fiber, and diode lasers from 5 to 10,000 watts for laser materials processing, microjoining, laser applications and process selection, and related systems development.



Fiberguide Industries, Inc
 1 Bay St.
 Stirling, NJ 07980 USA
 Phone: 908-647-6601
 Fax: 908-647-8464
 Email: info@fiberguide.com
 Web: www.fiberguide.com

Multimode, single mode, graded index optical fibers from UV-IR. Design/engineer assemblies with widest range of endfittings/connectors and outer jackets; 2D, V-Groove arrays for optical switches, arrayed active devices; cables for SERCOS and VersaLink applications; and reflection/backscattering probes for measuring specular or diffuse reflection. FDA registered as Contract Manufacturer.



Finn-Power International, Inc.
 555 Algonquin Rd.
 Arlington Heights, IL 60005 USA
 Phone: 847-952-6540
 Fax: 847-952-6521
 Email: lehrlich@finnpower.com
 Web: www.finnpower.com

Manufacturer of sheet metal fabrication equipment and advanced sheet metal manufacturing solutions. Turret Punch Presses, Laser systems, Punch-Laser, and Punch-Right Angle shear, combination systems, Press Brakes, Press Brake automation, Bending automation.



Florida Photonics Cluster
 12565 Research Pkwy., Suite 300
 Orlando, FL 32826-3283 USA
 Phone: 407-716-7794
 Fax: 407-737-2512
 Web: www.feoia.org

The mission of the Florida Photonics Cluster (FPC) is to support the growth and profitability of Florida's photonics industry through the strength of a unified voice. The driving forces of the FPC are sales and marketing opportunities, networking with peers, an expansive resource base, and an educational community focused on workforce development.



Fraunhofer USA Center for
 Laser Technology

Fraunhofer Center for Laser Technology
 46025 Port St.
 Plymouth, MI 48170-6080 USA
 Phone: 734-738-0500
 Fax: 734-354-3335
 Email: laserinfo@fraunhofer.org
 Web: www.ccl.fraunhofer.org

The Fraunhofer Center for Laser Technology (CLT) partners with universities to develop and design novel laser systems and components, such as high brightness diode lasers and advanced fiber lasers. The center also provides process development for micro machining and life science applications, developing biocompatible packaging for medical implants.



Fraunhofer ILT
 Steinbachstrasse 15
 Aachen, D-52074 Germany
 Phone: +49-241-8906-0
 Fax: +49-241-8906-121
 Email: info@ilt.fraunhofer.de
 Web: www.ilt.fraunhofer.de

The Fraunhofer Institute for Laser Technology (ILT) is the leading laser center in Europe. The aim of ILT activities is the economical application of lasers in the industry. The staff of ILT can draw on 25 years of experience in industrial contract research and development. The research and engineering work of ILT covers the entire spectrum of laser technology from development through measurement and testing to material processing. The services offered by ILT include strategic research, applied research on products and processes, prototype development, quality management, consultancy and training programs.



Fraunhofer
Institut
Werkstoff- und
Strahltechnik

Fraunhofer IWS
Winterbergstrasse 28
Dresden, D-01277 Germany
Phone: +49-351-2583-324
Fax: +49-351-2583-300
Email: info@iws.fraunhofer.de
Web: www.iws.fraunhofer.de

Fraunhofer IWS offers application-oriented research and development in the area of laser and surface technology. The distinct feature of the institute is the combination of outstanding experience in laser and coating technologies as well as fundamental material science expertise which leads to optimized manufacturing processes. The institute is equipped with state-of-the-art diode, Nd:YAG, excimer, CO₂- and fiber laser equipment as well as a lot of different workstations for laser and hybrid process applications.



Fraunhofer USA Center for Coatings
and Laser Applications

Fraunhofer USA
Center for Coatings & Laser Applications
46025 Port St.
Plymouth, MI 48170-6080 USA
Phone: 734-738-0550
Fax: 734-354-3335
Email: laserinfo@fraunhofer.org
Web: www.ccl.fraunhofer.org

The Fraunhofer Center for Coatings and Laser Applications provides process development / consulting services for high power laser applications such as welding, cladding, cutting, and heat treatment. Our state of the art laser facility offers the latest in Diode, Nd, YAG, Fiber, Disk and CO₂ laser technology.



Fumex, Inc.
1150 Cobb International Pl. NW, Suite D
Kennesaw, GA 30152-7665 USA
Phone: 770-514-7907
Toll Free: 800-432-7550
Fax: 770-514-1547
Email: keast@fumexinc.com
Web: www.fumexinc.com
Laser Fume Extraction



GE Global Research
One Research Circle
Niskayuna, NY 12309 USA
Phone: 518-387-4240
Fax: 518-387-7021
Web: www.research.ge.com

GE Global Research (GEGR), one of the world's largest and most diversified industrial laboratories, is the cornerstone of GE's commitment to technical leadership. At the corporate headquarters in Niskayuna, NY, some 1,600 people-including approximately 1,100 scientists, engineers, and technicians - work to provide GE's businesses and strategic partners with cost effective technical innovations for their future generation products, processes, and services. More than 500 of the R&D Center staff members hold doctorates. In addition to its main laboratories in New York, GE also has labs in Bangalore, India; Shanghai, China; and Munich, Germany.



Gentex Corporation-Filtron
324 Main Street
Simpson, PA 18407 USA
Phone: 570-282-8502
Fax: 570-282-8555
Email: jrudy@gentexcorp.com
Web: www.filtron.gentexcorp.com

Filtron polymer-based optical filters are designed to selectively block undesired wavelengths of light. Filtron is available in sheets, lenses, eyewear and resin. Products are engineered to attenuate selected wavelengths from 180 nm- 10,600 nm. Gentex produces custom and standard configurations utilizing the proprietary Filtron absorber dye technology.



GSI Group, Inc.
125 Middlesex Turnpike
Bedford, MA 01730-1409 USA
Phone: 978-661-4300
Fax: 978-988-8798
Email: gmezack@gsig.com
Web: www.gsig.com

GSI Group designs, manufactures, sells and supports a range of industrial laser technologies for end users, OEMs, and integrators. Laser types include Nd:YAG, Nd:YLF, Nd:YVO₄, CO₂, and Excimer, delivered in a variety of formats that include lamp-pumped, diode-pumped, pulsed, CW, Q-switched, fiber and galvo delivery, and out patented SuperModuated.



Haas Laser Technologies Inc.
 37 Ironia Rd.
 Flanders, NJ 07836 USA
 Phone: 973-598-1150
 Fax: 973-598-1151
 Email: ghaas@haaslti.com
 Web: www.haaslti.com

Haas Laser Technologies, Inc. designs and manufactures custom laser beam delivery components for all facets of laser applications at its new facility in Flanders, New Jersey. The company is recognized as an innovator and technology leader, providing one of the largest selections of laser beam delivery components available worldwide.

Handren Associates, Inc.

5818 Princess Caroline Pl.
 Leesburg, FL 34748-7980 USA
 Phone: 352-250-8892
 Fax: 352-314-3022
 Email: rhandren@hughes.net

US FDA Laser and Medical Device Regulations. Laser product reports, 510 (k) and all other requirements. Laser safety audits and training.

Hayden Laser Services, LLC

333 River Street
 West Springfield, MA 01089 USA
 Phone: 413 734 4981
 Fax: 413-785-5052
 Email: daniel.hayden@haydencorp.com



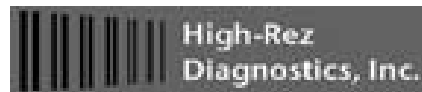
Health Protection Agency
 Radiation Protection Division Chilton
 Didcot, OX11 0RQ Great Britain
 Phone: +44-1235-822673
 Fax: +44-1235-822650
 Email: laser@hpa.org.uk
 Web: www.hpa.org.uk/laser

The HPA is an independent UK statutory body. The Radiation Protection Division provides advice on radiation standards, and carries out research to improve protection. It also provides a number of technical services which include advice on laser radiation safety, and laser safety training in collaboration with Loughborough University.



High Q Laser (US), Inc.
 118 Waltham Street
 Watertown, MA 02472-4808 USA
 Phone: 617-924-1441
 Fax: 617-924-5554
 Email: sales@highQ-us.com
 Web: www.highQ-us.com

High Q Laser is a leading manufacturer of ultrafast all-diode pumped, solid-state pico- and femtosecond oscillators and regenerative amplifiers. All lasers are based on direct diode-pumping and semiconductor saturable absorber mirror (SESAM) modelocking. High Q Laser is the exclusive distributor for APE GmbH, Berlin offering the complete product line of autocorrelators and picosecond OPO.



High-Rez Diagnostics, Inc.
 2885 Mace Road
 Camino, CA 95709 USA
 Phone: 530-644-6848
 Email: rselh@juno.com
 Web: www.highrezdiagnostics.com

Provider of on-site laser safety training for laser users, developers, manufacturers and safety officers. Dr. Hughes holds 23 laser and opto-electronics patents and has provided laser safety training for more than 25 years to corporate, government and university audiences. Dr. Hughes also serves as an expert witness for medical laser accident cases (defense or plaintiff). Cost includes a modest daily fee plus expenses. Contact for quote, tel: 530-409-0122, fax: 530-626-6840, or email: rsh@highrezdiagnostics.com.

Hong Kong Polytechnic University

Health, Safety & Environment Office
 Hunghom, Kowloon Hong Kong
 Phone: +852-3400-8393
 Fax: +852-2764-0421
 Email: Dennis.Lai@polyu.edu.hk
 Web: www.polyu.edu.hk

Huazhong University of Science & Technology

Luoyu Rd 1037
 Wuhan, Hubei, 430074
 Peoples Republic of China
 Web: www.hust.edu.cn/english



Huffman Corporation
 1050 Huffman Way
 Clover, SC 29710 USA
 Phone: 803-222-4561
 Fax: 803-222-7599
 Toll-Free: 1 888 483 3626
 Email: info@huffmancorp.com
 Web: www.huffmancorp.com

Huffman Corporation, located in Clover, South Carolina, provides technologically advanced multi-axis CNC grinding, laser powder fusion welding, and abrasive waterjet systems and services for the flight and industrial gas turbine industry for blades, vanes, buckets, and shrouds, and the medical market for implants and trauma instruments.



II-VI Infrared
 375 Saxonburg Blvd.
 Saxonburg, PA 16056-9430 USA
 Phone: 724-352-1504
 Toll Free: 888-558-1504
 Fax: 724-352-4980
 Email: info@iiviinfrared.com
 Web: www.iiviinfrared.com

II-IV Infrared is the world leader in CO2 laser optics for industrial metals cutting and welding, thermal imaging, medical applications, and more. Conventional and diamond-turned products include lenses, mirrors, windows, partial reflectors, beam splitters, phase retarders, rhombs, beam expanders, polarizers, wave plates, and modulators. Infrared materials produced and supplied include ZnSe and ZnS MultiSpectral.

Innovative Laser Technologies, Inc.

5780 Main St. NE
 Minneapolis, MN 55432-5437 USA
 Phone: 763-574-7374, Ext 100
 Fax: 763-574-7527
 Email: steven.weiss@iltinc.com
 Web: www.iltinc.com

Innovative Laser Technologies (ILT) has become one of the industry leaders of standard and custom laser system integration. ILT increases customer productivity with fully integrated features. Some of these features include: vision assisted automation, parts handling, motion control, helium leak testing, and automated closed loop process control within a workstation.



The Power to Transform™

IPG Photonics Corporation
 50 Old Webster Rd.
 Oxford, MA 01540-2706 USA
 Phone: 508-373-1100
 Fax: 508-373-1103
 Email: sales.us@ipgphotonics.com
 Web: www.ipgphotonics.com

IPG Photonics manufactures active fiber lasers, direct diode and amplifiers operating at .7 - 2 microns for applications in Materials Processing, Telecommunications and Scientific Research. Industrial lasers operating at 1 micron are available from 10 watts to greater than 50 kilowatts. These devices feature low divergence, air cooling, high electrical efficiency and unparalleled diode life.



Joining Technologies
 17 Connecticut S Dr.
 East Granby, CT 06026 USA
 Phone: 860-653-0111 Ext 237
 Fax: 860-653-5777
 Email: dHUDSON@joiningtech.com
 Website: www.joiningtech.com

Joining Technologies is a world leader in high energy beam welding, specializing in laser and electron beam welding, and laser cladding. Our state-of-the art Laser Applied Powder (LAP™) and wire (LAW®) technologies offer repair capabilities in the Power Generation, Aerospace, Nuclear, Medical, Sensor and Controls, and Defense industries.



JPSA Laser
 220 Hackett Hill Rd
 Manchester, NH 03102 USA
 Phone: 603-518-3200
 Fax: 603-518-3298
 Web: www.jpsalaser.com

JPSA Laser supplies micromachining systems & Job Shop Services with resolutions down to 1 micron. Applications include biomedical and microfluidic devices, MEMS, wafer scribing, annealing, etc. Materials - diamond to polymers. From one to a million parts. Fast Turn Around and Kanban available. The only company offering 157nm processing, essential for PTFE.



Kentek Corporation
 1 Elm Street
 Pittsfield, NH 03263-3304 USA
 Phone: 603-223-4900
 Toll Free: 800-432-2323
 Fax: 603-435-7441
 Email: info@kenteklaserstore.com
 Web: www.KentekLaserStore.com

Kentek has provided quality Laser Safety, Laser Components, and Laser Accessory solutions to clients worldwide since 1983. Experience the ultimate in customer satisfaction with our consultative approach when shopping for laser eyewear, barriers, curtains, interlock systems, safety training, flashlamps, signs, labels, power meters, alignment tools, optics, flowtubes, cavities and more.



Koike Aronson, Inc.
P.O. Box 307
Arcade, NY 14009-0307 USA
Phone: 585-492-2400
Fax: 585-457-3517
Email: info@koike.com
Web: www.koike.com

Koike Aronson, Inc manufactures and distributes a wide range of thermal cutting machines to cut ferrous and non-ferrous materials in plate form. Koike applies laser, plasma, oxygen/fuel gas as well as a variety of other mechanical cutting processes on their equipment. A variety of CNC controls are also available for most machines.

L-3 Communications, Link Simulation & Training

2116 Arlington Downs Rd., MS 202
Arlington, TX 76011-8209 USA
Fax: 817-619-3810
Email: tlstone@link.com
Web: www.link.com

Lanmark Controls Inc.

1740 Massachusetts Ave.
Boxborough, MA 01719 USA
Phone: 978-433-3000
Fax: 978-433-3242
Email: info@lanmarkcontrols.com
Web: www.lanmarkcontrols.com

LASAG INDUSTRIAL-LASERS

A DIVISION OF THE **SWATCH GROUP**

LASAG Industrial-Lasers
1615 Barclay Blvd.
Buffalo Grove, IL 60089 USA
Phone: 847-483-6300
Fax: 847-483-6333
Email: lasers@lasag.com
Web: www.lasag.com

LASAG manufactures pulsed Nd:YAG lasers (10 to 1000W) for medical, electronic, automotive, aerospace and scientific applications. Lasag also offers fiber optic, conventional beam delivery, and other beam handling devices. Lasag operates application laboratories, and offers full service and training from its offices in Chicago, IL; Japan; Italy; Germany and Switzerland.



Laser Advantage, LLC
5 Pine St., Unit A
Nashua, NH 03060 USA
Phone: 603-886-9464
Fax: 603-886-9465
Email: Michael.Lynch@Laser-Advantage.com
Web: www.laser-advantage.com

A privately owned full service laser shop, dedicated to being an exceptional contract shop and service provider. Our shop excels in laser precision machining, welding, and marking. Service group provides, field support, turn key systems and custom integration. With Laser Advantage you'll find a fresh approach to your laser solutions.



Laser Association (LAS)
P.O. Box 27
Moscow, 117485 Russia
Phone: +709-592-3-5375
Fax: +709-592-4-8742
Email: las@tsr.ru
Web: www.cislaser.com

Being a non-profit and non-governmental organization LAS unites practically all "old" laser centers of the former Soviet Union and a large part of the new "laser" SME on this territory. LAS promotes information exchange and international cooperation, and assists its members in their professional activity - so LAS is entirely in cooperation with LIA.

Laser Association of Australia & New Zealand, Inc.

43 Railway Rd., Suite 1
Blackburn, Victoria 3130 Australia
Phone: +613-987-7-8088

The Laser Association of Australia and New Zealand Incorporated aims to link the laser community of Australia, New Zealand and the Pacific Rim. The Association's purpose is the same as that of the Laser Institute of America with its primary objective being the dissemination of laser related information in publications and symposia.



Laser Cladding Services Ltd.
5675 Guhn Rd.
Houston, TX 77040 USA
Phone: +713-800-6708
Fax: +713-996-8841
Email: eyarrapareddy@lasercladding.com
Web: www.lasercladding.com

Laser Cladding Services LTD employs proprietary laser processes (IntegriCladd) for applying various metal coatings. We are dedicated to extending the life of your high wear, high mortality components.

LaserFocusWorld

Laser Focus World / Industrial Laser Solutions - PennWell
98 Spit Brook Rd., LL-1
Nashua, NH 03062-5737 USA
Phone: 603-891-9231
Fax: 603-891-0574
Email: sharonm@pennwell.com
Web: www.laserfocusworld.com

For over 40 years, Laser Focus World has been the international resource for technology & applications in the global photonics industry. Each month, the magazine analyzes the latest developments & significant trends in both technology and business and provides this information to engineers, researchers, scientists, and technical professionals worldwide.



Laser Life Company
6F.-5, No.30 Taiyuen St.
Jhubei City, Hsinchu County, 302 Taiwan
Phone: +886-3-5525358
Fax: +886-3-5525359
Email: info@laserlife.com.tw
Web: www.laserlife.com.tw

LASER LIFE keeps developing the best CO2 laser cutting and engraving machines in Taiwan. The EZ-CUT II & EZ-LASER series cutting and engraving machines are suitable for processing non-metallic materials in different cutting, drilling, perforating and scribing application. We continue evaluating customer's requirements to provide the best products and services all over the world.



Laser Mechanisms, Inc.
25325 Regency Drive
Novi, MI 48375 USA
Phone: 248-474-9480
Fax: 248-474-9277
Email: info@lasermech.com
Web: www.lasermech.com

Specializes in laser beam delivery components and articulated arm systems for high-power CO2, YAG and Fiber Lasers that suit all facets of industrial applications. Our staff of laser system engineers, with over 300 years of collective experience, can custom design a performance guaranteed beam delivery system for your laser application.



Laser Resale, Inc.
54 Balcom Rd.
Sudbury, MA 01776 USA
Phone: 978-568-9988
Fax: 978-568-8786
Email: laserresale@aol.com
Web: www.laserresale.com

Laser Resale, Inc. provides a marketplace for purchase and sales of used lasers, laser systems, laser associated equipment, and optical laboratory equipment. Services include brokering, buying, selling, and consignment.



Laser S.O.S. Ltd.
Unit 3 Burrel Rd.
St. Ives Industrial Estate
St. Ives Cambs, PE27 3LE Great Britain
Phone: +44-1480-460990
Fax: +44-1480-469978
Email: sales@lasersos.com
Web: www.lasersos.com

We offer Diode Pumped YAG Lasers, Monolithic DPSSL, Lamp Pumped YAG Lasers, a High Performance Manual Micro-Welding Nd: YAG Laser and Workstation; Sources for CW and Q-Switched Applications. High performance Dual Axis Laser Scanning Modules for YAG and CO2 Lasers; associated products and one of the largest selections of Laser Spares and Devices.

Laser SOS USA, Inc.

55 Sterling St.
Clinton, MA 01510-1930 USA
Phone: 978-368-6126
Fax: 978-368-6127
Email: info@lasersos-usa.com
Web: www.lasersos-usa.com

Manufacturers of high-quality retrofit parts for more than 170 different YAG laser systems. Provides OEM's and system integrators with both lamp-pumped and diode-pumped YAG lasers. A range of high-performance scanning modules with software are also available for YAG & CO2. ISO-9002 Certified.



Laser Safety
Industries LLC

Laser Safety Industries
6311 Cambridge St.
Minneapolis, MN 55416 USA
Phone: 952-405-6947
Fax: 952-405-6949
Email: kpoppe@lasersafetyindustries.com
Web: www.lasersafetyindustries.com



Laser Safety Systems
527 Lakeshead Dr.
Williamsburg, VA 23185 USA
Phone: 757-229-6109
Email: contact@lasersafetysystems.com
Web: www.lasersafetysystems.com

Laser Safety Systems is your engineered laser safety solution. Our modular system design can accommodate defeatable access controls or non-defeatable access monitors with audible and visual laser warning features. Our controlled access solutions include magnetic lock, electronic mortise, and electronic strike interface. All systems are ANSI Z136.1-2007 compliant.



Laser Zentrum Hannover e.V.
Hollerithallee 8
Hannover, D-30419 Germany
Phone: +49-511-2788-0
Fax: +49-511-2788-100
Email: info@lzh.de
Web: www.lzh.de

The Laser Zentrum Hannover e.V. (LZH) is one of the European leading research and development institutes in the field of laser technology. Besides extensive activities in materials processing like welding, cutting or micromachining, researchers at the LZH are working on new laser sources, innovative coating technologies, medical applications and laser-based measurement. Regular training and education measures complete the service. Besides basic research, the LZH provides a broad portfolio of laser technology solutions for industrial applications.



Laserage Technology Corporation
3021 Delany Rd.
Waukegan, IL 60087-1826 USA
Phone: 847-249-5900
Fax: 847-336-1103
Email: sales@laserage.com
Web: www.laserage.com

Laserage Technology Corp. is a custom laser processing facility specializing in laser scribing, machining, drilling, welding, and other custom laser job shop services. Laser processed materials include alumina, metals, plastics, glass, and most other materials. Laserage is ISO 9001:2000 registered and can provide you with consistent high quality on time.



Laserline, Inc.
1800 Wyatt Dr., Suite 9
Santa Clara, CA 95054 USA
Phone: 408-834-4660
Fax: 408-834-4671
Email: info@laserline-inc.com
Web: www.Laserline-Inc.com

Laserline is the leading manufacturer of high power diode laser systems. Since 1997, Laserline's diode lasers are used for materials processing and pumping applications. Highest up-time, very good beam quality and flexibility are characteristic for the different types of Laserline's diode lasers.



Laser-Professionals, Inc.
1691 36th Street
Los Alamos, NM 87544 USA
Toll Free: 888-795-2737
Fax: 413-845-3818
Email: pat@laser-professionals.com
Web: www.laser-professionals.com

Laser-Professionals Inc. is on a mission to provide laser safety students at all levels with the highest quality educational experience, the most useful tools, and the best follow-up support at an economical price. We are laser professionals with decades of experience building lasers, using lasers, and teaching people about lasers and laser safety. We're real hands-on laser users, and we always put the needs of the laser user first.



Lasertel, Inc.
7775 N Casa Grande Hwy.
Tucson, AZ 85743-9317 USA
Phone: 520-744-5700
Toll Free: 877-844-1444
Fax: 520-744-5766
Email: sales@Lasertel.com
Web: www.lasertel.com

Lasertel is a vertically-integrated semiconductor laser manufacturer. In-house epitaxy, wafer processing and packaging enables consistent delivery of a wide range of standard and customer specific product solutions. Lasertel's chips, bars, arrays and fiber-coupled devices are available with peak wavelengths from 770nm to 1000nm, and peak powers from 200mW to several kW.

Lasertripsy Techniques, Ltd.

2188 Sprint Blvd.
Apopka, FL 32703 USA
Phone: 407-644-1262
Fax: 407-644-4086
Email: Lmayberry@medicusnet.com
Web: www.medicusnet.com

Providing high quality, cost effective laser service solutions to hospitals and surgery centers within the State of Florida since 1989 with state-of-the-art technology. Currently providing Odyssey Holmium Laser services for improved treatment of kidney stones, bladder stones, bladder neck contractures, urethral & ureteral strictures and superficial carcinomas with experienced Laser Safety Officers.



A PARTNERSHIP OF LASERVISION AND TRINITY TECHNOLOGIES

LASERVISION USA
595 Phalen Blvd.
Saint Paul, MN 55130 USA
Phone: 651-357-1800
Toll Free: 800-393-5565
Fax: 651-357-1830
Email: info@lasersafety.com
Web: www.lasersafety.com

LASERVISION USA is your leading source for laser protective equipment. We are the market leader in design, manufacturing and distribution of safety solutions for all laser applications. Our laser safety solutions include eyewear, barrier and curtain systems, viewing windows, signs and labels, and safety training.



Lee Laser, Inc.
7605 Presidents Dr.
Orlando, FL 32809 USA
Phone: 407-812-4611
Fax: 407-850-2422
Email: salesdept@leelaser.com
Web: www.leelaser.com

Manufacturer of industrial-grade OEM solid-state lasers: CW and Q-switched for marking, trimming, scribing, welding, cutting; 1064-nm lamp-pushed and diode-pumped up to 1000W; 532-nm lamp-pumped and diode-pumped up to 300W; 1064-nm pulsed-lamp-pumped and pulsed-diode-pumped up to 100W for micro-machining; 355-nm UV up to 12W. Specializes in OEM engineering.



Lexington International, LLC
777 Yamato Rd, Suite 105
Boca Raton, FL 33431 USA
Phone: 561-314-2430
Email: si@hairmax.com

Lockheed Martin Coherent Technologies (LMCT)

135 S Taylor Ave.
Louisville, CO 80027-3025 USA
Phone: 303-604-2000
Fax: 303-604-2500
Email: teresa.mares@lmco.com
Web: www.ctilidar.com

Coherent Technologies, Inc. (CTI) is a world leader in the research and commercial production of laser-based remote sensing systems. Coherent development of solid state laser radar systems operating in the eyesafe, 2 micron wavelength and have been demonstrated successfully in a wide range of applications.

Louis Rudzinsky Associates, Inc.

P.O. Box 640
394 Lowell St. 17
Lexington, MA 02420 USA
Fax: 781-862-6868
Email: howard@LRA.com
Web: www.LRA.com



LPL Systems, Inc.
245 Mount Hermon Rd., Suite 403
Scotts Valley, CA 95066-4045 USA
Phone: 650-965-9884
Fax: 650-937-0245
Email: rpress@lplsystems.com
Web: www.lplsystems.com

LPL Systems is the premier manufacturer of standard production and custom designed laser machine tools for the medical device and precision manufacturing industries. We offer standard laser systems, custom designed systems, a full range of tooling and process design, complete in-house and on-site training, and consultation.



Lulea University of Technology
Division of Manufacturing System Engineering
Lulea, SE-971 87 Sweden
Phone: +46-920-49-1733
Fax: +46-920-49-2228
Email: Alexander.Kaplan@ltu.se
Web: www.ltu.se/tfm/produktion

Since 1979 Lulea University of Technology is a national R&D center for industrial laser materials processing in Sweden, encompassing research in welding, surface treatment, cutting, micromachining, etc. Based on well equipped facilities, we conduct basic and applied processing laser research, both, theoretically and experimentally, and interdisciplinary from quantum mechanics to logistics.



Mack Instruments, Inc.
3186 Coffey Lane
Santa Rosa, CA 95403 USA
Phone: 707-566-2110
Fax: 707-566-2119
Email: info@macken.com
Web: www.macken.com

Manufacturer of high quality and durable laser testing equipment: Analog and Digital Power Probes, Thermal Image and Near IR Display Plates, and Laser Spectrum Analyzers. We also offer NIST calibration certificates on our Laser Power Probes.



Miyachi Unitek Corporation
1820 S Myrtle Ave.
Monrovia, CA 91017 USA
Phone: 626-303-5676
Fax: 626-599-7906
Email: info@muc.miyachi.com
Web: www.unitekmiyachilasers.muc.miyachi.com/Products-id-3.asp

Miyachi Unitek designs and manufactures a full range of resistance welding and reflow soldering power supplies, heads, monitors and accessories for both large scale and fine spot applications requiring precision metals joining, in addition to lasers and laser systems for welding and marking. The company offers applications and process development support at no charge.



Moscow State University
International Laser Center Leninskie Gory 1, Bld. 62
Moscow, 119992 Russia
Phone: +7-095-939-2612
Fax: +7-095-939-3113
Email: shlenov@msuilc.phys.msu.ru
Web: www.msu.ru/english



Mound Laser & Photonics Center, Inc.
 P.O. Box 223
 Miamisburg, OH 45343-0223 USA
 Phone: 937-865-4481
 Fax: 937-865-3680
 Email: sales@mlpc.com
 Web: www.mlpc.com

The Mound Laser & Photonics Center is dedicated to the application of existing and the development of new laser materials processing technology to meet the industrial, manufacturing, and advanced development demands of our customers in today's competitive marketplace. We currently specialize in laser marking and engraving, laser micromachining, laser welding, laser surface texturing and contract R&D in our advanced applications laboratories. ISO 9001:2000 Registered



Neoteric Concepts

Neoteric Concepts
 1612 Eastlake Way
 Weston, FL 33326 USA
 Phone: 954-529-7273
 Fax: 866-358-1070
 Email: mscaggs@neotericconcepts.com
 Web: www.neotericconcepts.com

Neoteric Concepts specializes in laser material processing with Excimer, ND:YAG and CO2 lasers. The company provides innovative products which enhance the capabilities of industrial lasers; including the NeoScan™ precision scanner for accurate laser drilling, cutting, and marking. Neoteric manufactures beam homogenizers for the most demanding excimer optics application.



Newport Corporation
 1791 Deere Ave.
 Irvine, CA 92606-4814 USA
 Phone: 949-863-3144
 Fax: 949-253-1680
 Email: sales@newport.com
 Web: www.newport.com

With 40 years of experience and knowledge in laser technology, Newport and Spectra-Physics have unique expertise in applying laser-based tools and solutions. Our breadth of laser and photonic technology, backed by our worldwide support network, helps our customers develop and advance their process and our subassembly expertise helps to ensure our customer's TM integration efforts and increases performance and reliability. We partner with our customers and empower high-end application and performance solutions.

nLIGHT

nLIGHT Corporation
 5408 NE 88th Street, Bldg E
 Vancouver, WA 98665 USA
 Phone: 360-566-4460
 Fax: 360-546-1960
 Email: sabine.doms@nlight.net
 Web: www.nlight.net

nLIGHT is a leading supplier and innovator of high-power semiconductor lasers and fibers for industrial, medical, defense and consumer applications. Our solutions offer a competitive advantage in performance, reliability and efficiency. Global support is provided through state-of-the-art manufacturing and application centers in North America, Europe, and Asia.



LaserShields®
NoIR Laser Company
 6155 Pontiac Trail
 P.O. Box 159
 South Lyon, MI 48178-9647 USA
 Phone: 734-769-5565
 Toll Free: 800-521-9746
 Fax: 734-769-1708
 Email: david.bothner@noirlaser.com
 Web: www.noirlaser.com

CE-certified NoIR LaserShields offer the highest levels of protection, visibility and comfort for medical, scientific and industrial applications. LaserShields are available in lightweight, unbreakable frame styles, all with lifetime guarantees. LaserShields are made in the USA and certified for the world of laser applications, including femtosecond and high power pulses.

Norfolk State University

700 Park Ave.
 Department of Engineering
 Norfolk, VA 23504-8050 USA
 Phone: 757-823-2243
 Fax: 757-823-2698
 Web: www.nsu.edu

The Department of Engineering at Norfolk State University offers the B.S. in Electronics Engineering. In Fall 2003 the department plans to offer a B.S. in Optical Engineering. In Fall 2004 the department plans to offer M.S. degrees in Electronic Engineering and Optical Engineering.



northern optotronics inc.
excellence in lasers

Northern Optotronics, Inc.
151 Savage Dr., Unit 2
Cambridge, ON N1T 1S4 Canada

Phone: 519-621-2666

Fax: 519-621-4261

Web: www.noi.ca

Northern Optotronics Inc. (NOI) is a Canadian-owned company with headquarters located in the heart of Canada's Golden Triangle, an area characterized by exceptional economic activity and business momentum. With numerous years of experience, NOI has established itself as an industry leader by providing Total System Solutions that encompass the maintenance training and sales of aesthetic, medical and forensic lasers. This approach is coupled with a commitment to customer needs, ensuring the highest levels of customer satisfaction.

NORTHROP GRUMMAN

Northrop Grumman Cutting Edge Optronics
20 Point West Blvd.

Saint Charles, MO 63301-4430 USA

Phone: 636-916-4900

Fax: 636-916-4994

Email: st-ceolaser-info@ngc.com

Web: www.st.northropgrumman.com/ceolaser

Northrop Grumman Cutting Edge Optronics designs and manufactures high power diode lasers, diode-pumped sub-assemblies, lasers and accessories for military, scientific, industrial and medical applications. Located in St. Charles, MO, with worldwide distributors serving countries in Europe, Asia and Australia, CEO is a leading supplier to OEM laser manufacturers.

Northrop Grumman SYNOPTICS

1201 Continental Blvd.

Charlotte, NC 28273-6320 USA

Phone: (704) 588-2340

Fax: (704) 588-2516

Email: stsynopticsales@ngc.com

Web: www.st.northropgrumman.com/synoptics

New Product: Diffusion bonding of Nd:YAG, CTH:YAG, Er:YAG, Nd:YLF and Nd:YVO4 to undoped YAG and Undoped YVO4. Northrop Grumman Synoptics is the world's leading manufacturer of crystals for use in solid-state lasers. We also manufacture a line of specialty crystals and Air Spaced Polarizers for use at 1064nm. Products are used in applications in the military, scientific, medical and industrial markets. Materials include Nd:YAG, CTH:YAG, Er:YAG, Nd:YLF, Nd:YVO4, KTP, Alexandrite, Cr4+:YAG, Co:Spinel and Yb:YAG and TGG.



Nufern

7 Airport Park Rd.

East Granby, CT 06026 USA

Phone: 860-408-5000

Fax: 860-408-5080

Email: info@nufern.com

Web: www.nufern.com

Nufern is a leading U.S. manufacturer of specialty optical fibers, fiber lasers and amplifiers serving diverse markets. Current products include over 300 standard fibers and range from sub-assemblies to complete turn-key fiber lasers and amplifiers. Nufern's integrated teams also provide rapid, cost-effective OEM fiber laser design, assembly and contract manufacturing.



ORLASER

1420 Howard St.

Elk Grove Village, IL 60007 USA

Phone: 847-593-5711

Toll Free: 800-815-4412

Fax: 847-593-5752

Email: m.barsanti@or-laser.com

Web: www.orldaserwelding.com

OR Lasertechnology, Inc is a manufacturer of Class IV and Class I laser welding systems; we also offer job shop services in Illinois and throughout the mid west USA. These laser systems are fully mobile and stationary systems for any laser welding application. With OR Laser there are no limitations to shape or size of molds, tools, dies, components.

OFS-Specialty Photonics Division

55 Darling Dr.

Avon, CT 06001 USA

Phone: 860.678.0371

Fax: 860.674.8818

Email: info@specialtyphotonics.com

Web: www.specialtyphotonics.com

OFS Specialty Photonics Division is the global leader in specialty optical fiber and devices development manufacturing. OFS has a proven track record of being first in the industry with application specific fibers, optical connectors, ribbon cables, erbium doped fibers, Raman fiber lasers and more.



OceanOptics, Inc.
830 Douglas Ave.
Dunedin, FL 34698 USA
Phone: 727-733-2447
Fax: 727-733-3962
Email: info@oceanoptics.com
Web: www.OceanOptics.com

Ocean Optics, is the leader in optical and spectroscopy solutions. We offer fiber optic spectrometers and accessories for laser and LED characterization, optical transmission measurement and color analysis. With diverse applications in chemistry, biological research, environmental monitoring, and education, our extensive line of complementary technologies include spectrometers, sampling accessories, sensors, and optics.



Oklahoma State University
219 Cordell North
Stillwater, OK 74078-1038 USA
Phone: 405-744-1676
Fax: 405-744-4335

Oklahoma State University has long been committed to fostering research opportunities and partnerships that lead to scholastic achievement, societal improvements, technological innovation, and economic revitalization. At OSU, interdisciplinary research bridges academic boundaries to facilitate university-industry collaborations and promote technology transfer. Ongoing research includes THz time-domain spectroscopy, high-speed electronic and optoelectronic materials and devices, laser-tissue interactions, photodynamic therapy, and nonlinear optical effects and their applications.



Ophir-Spiricon, Inc.
60 West 1000 North
Logan, UT 84321 USA
Phone: 435-755-5400
Toll Free: 866-755-5499
Fax: 435-753-5231
Email: sales@ophir-spiricon.com
Web: www.ophir-spiricon.com

Ophir-Spiricon manufactures, calibrates and sells a complete line of instruments for laser power meters, laser energy meters, laser beam diagnostic instrumentation, laser measurement tools and spectral analysis instruments.



Wavelength Selection Solutions

Optometrics Corporation
8 Nemco Way
Ayer, MA 01432-1537 USA
Phone: 978-772-1700
Fax: 978-772-0017
Email: jjfalls@optometrics.com
Web: www.optometrics.com

Optometrics LLC, formerly Optometrics USA, Inc., is a manufacturer of optical components and instruments such as monochromators, interference filters, ruled holographic and replicated diffraction gratings, telecom and transmission gratings, ruled and holographic wire grid polarizers, Spherical mirrors and lenses, windows, IR and dye laser gratings for research, academic and OEM Customers.



Oxford Lasers, Inc.
2 Shaker Rd., Unit D201
Shirley, MA 01464 USA
Phone: 978-425-0755
Fax: 978-425-4487
Email: oxford.inc@oxfordlasers.com
Web: www.oxfordlasers.com

Industrial Laser Systems for precision micromachining, microdrilling, microcutting and micromilling. Micro hole drilling, micro cutting and micro milling to better than 1 micron accuracy. Sub-contract / job shop micro-machining services for research, process development and production. Laser micro machining, micro-drilling and micro-cutting of most materials including: stainless steel, tungsten, titanium, diamond, alumina, silicon nitride, ceramics, polyimide, plastics. Applications include: fuel injector nozzle drilling, medical device manufacture, electronics packaging, solar cell scribing, hole drilling, fired contacts & grooving.



OZ Optics LTD.
219 Westbrook Rd.
Ottawa, ON K0A 1L0 Canada
Phone: 613-831-0981
Toll Free: 800-361-5415
Fax: 613-836-5089
Email: sales@ozoptics.com
Web: www.ozoptics.com

High Power CW/Pulsed Fiber Laser, Optical Amplifiers, High Power Isolators, Collimators/Focusers, Laser to Fiber Delivery Systems, Directional Optical Taps/Power Monitors, High Power/ High Temperature Adjustable Patchcords, Connectors, Shutters Vacuum Feedthroughs, Hermetic Assemblies, PM Fiber Components, WDM's, Variable Attenuators, Splitters/Couplers/Combiners, Bulkhead Receptacles, High Power Optical Coating, Filters.



The Electro-Optics Center
A Manufacturing Technology Center of Excellence

Penn State Electro-Optics Center
222 Northpointe Blvd.
Freeport, PA 16229-2606 USA
Phone: 724-295-7000
Fax: 724-295-7001
Web: www.electro-optics.org

The Laser Technology Division of the Electro-Optics Center is involved in advancing the state-of-the-art in laser material interactions both for manufacturing and DoD applications. Technology thrust areas include high power laser diode arrays, ultrashort pulse laser material interaction for micromachining, and high energy laser effects testing.

Philip Morris USA

3601 Commerce Rd., Gate C Door 23
Richmond, VA 23234 USA
Phone: 804-274-2000
Fax: 804-274-4646
Email: David.A.Wilson@pmusa.com



Photomachining, Inc.
4 Industrial Dr., Unit #40
Pelham, NH 03076 USA
Phone: 603-882-9944
Fax: 603-886-8844
Email: sales@photomachining.com
Web: www.photomachining.com

PhotoMachining, Inc. is a contract laser manufacturer and custom systems builder. We specialize in laser micromachining using lasers from the far IR through the UV. Applications development and R&D in our Class 10,000 cleanroom leads to either volume manufacturing in our facility or to in house production for our customers.



Photonics Industries
International, Inc.

Photonics Industries International, Inc.
390 Central Ave.
Bohemia, NY 11716-3147 USA
Phone: 631-218-2240
Fax: 631-218-2275
Email: info@photonix.com
Web: www.photonix.com

Develop and manufacture a range of ns and ps lasers for industrial and scientific applications. TEM00 lasers available in Nd:YAG, Nd:YLF, and Nd:YVO4. Output powers from 100mW-150W at 1064nm, 100mW-100W at 532nm, 50mW-40W at 355nm, 5mW-10W at 266nm; pump lasers up to 60mJ at 1kHz at 527nm. Eye-safe, OPO, and Ti:Sapphire lasers also available.



Photonics Spectra
2 South St., Berkshire Common
Pittsfield, MA 01201 USA
Phone: 413-499-0514
Fax: 413-442-3180
Email: photonics@laurin.com
Web: www.Photonics.com/spectra

Photonics Spectra is the leading photonics magazine serving industries that use photonic technology: lasers, imaging, fiber optics, optics, electro-optics, and photonic component manufacturing. It presents the latest news articles and in-depth reports on photonics technology. It is distributed free to those who use or apply photonics.

PolarOnyx, Inc.

470 Lakeside Dr., Suite F
Sunnyvale, CA 94085 USA
Phone: 408-245-9588
Fax: 408-245-9587
Email: Sales@polaronyx.com
Web: www.polaronyx.com

Leading company in high energy/high power femtosecond, picosecond, and nanosecond pulsed and narrow line width (kHz) fiber lasers for material processing, micromachining, biomedical, and optical sensing applications. OEM and instrument version are available for commercial system integrators, scientific research, and industrial R&D. Wavelength ranges cover from VIS to IR.



POM Group, Inc.
2350 Pontiac Rd.
Auburn Hills, MI 48326 USA
Phone: 248-409-7900
Fax: 248-409-7901
Email: info@pomgroup.com
Web: www.pomgroup.com

PRECITEC



Precitec, Inc.
28043 Center Oaks Ct.
Wixom, MI 48393 USA
Phone: 248-446-8100
Fax: 248-446-9409
Email: sales@precitec.com
Web: www.precitec.us

Precitec is a global company providing precise mechanical, optical, and electronic components and systems, designed for material processing using lasers, as well as process control and monitoring. Precitec employs over 150 people and has direct offices in USA, France, Japan, Korea, China several representatives worldwide, and our corporate location in Germany. The Precitec Group is also comprised of Precitec Optronik located in Germany and Precitec Vision located in Switzerland. Precitec is an ISO 9001 certified company with over 120 patents.



Purex International Ltd.
Purex House, Farfield Park, Manvers
Rotherham, S63 5DB Great Britain
Phone: +44-1709-763-0
Toll-Free: 866-360-5675
Fax: +44-1709-763-1
Email: purex@purexintd.co.uk
Web: www.purexintd.co.uk

Laser processing of a material generates hazardous fumes, which reduce the effectiveness of the laser, reduce product quality and increase downtime. Also, any employees who are exposed to the fumes can develop serious medical conditions. Purex purification systems ensure laser performance and compliance with U.S./international health and safety regulations.

Rautaruukki Oyj

Harvialantie 420
Hämeenlinna, FI-13300 Finland
Phone: +358-40-54282-14



RAYLASE AG
Argelsrieder Feld 2+4
Wessling, 82234 Germany
Phone: +49-8153-8890
Fax: +49-8153-8898-10
Email: info@raylase.com
Web: www.raylase.de

RAYLASE is a world wide leading manufacturer of 2- and 3-axis laser deflection heads as well as beam delivery subsystems for most laser sources. We also offer also control cards including DLL-files and the complete software packages weldMARK or RLScribe for marking applications. All its products are distributed and serviced worldwide.



REVISION.

MISSION CRITICAL EYEWEAR®

Revision Eyewear
7 Corporate Dr.
Essex Junction, VT 05452 USA
Phone: 802-879-7002
Fax: 802-879-7224
Email: info@revisioneyewear.com
Web: www.revisioneyewear.com

Revision Eyewear is dedicated to protecting soldiers' eyes by designing, developing and delivering the best purpose-built military eye protection solutions, worldwide. Powerful ballistic protection. Flawless distortion-free optics. Rugged durability. Ensuring that our servicemen and servicewomen are ready. Ready for the worst conditions. Ready with the best performance. Revision Ready.



Rockwell Laser Industries

Rockwell Laser Industries
P.O. Box 43010
Cincinnati, OH 45243-0010 USA
Toll Free: 800-94-LASER
Fax: 513-271-1598
Email: info@rli.com
Web: www.rli.com

RLI offers integrated laser safety services featuring FDA/CDRH/IEC compliance reporting assistance, testing and ANSI audits. The RLI Training Institute offers in-depth laser safety courses with hands-on experience and is available at regional locations, online or at your facility. RLI's product line includes: eyewear, barriers, signs/labels, windows, LAZANTM hazard analysis software, CD-ROM training, interlock systems, viewers, measurement equipment, manuals/standards and interactive training materials.

RPM and Associates, Inc.

333 Concourse Dr.
Rapid City, SD 57703-4765 USA
Phone: 605-348-0555, Ext 27
Fax: 605-348-7848
Email: nick.wald@rpmmandassociates.com
Web: www.rpmmandassociates.com

RPM and Associates, Inc. is an industrial service company that offers wear and rebuilding solutions to industry. Our mission is to continually develop these solutions to provide timely, quality products and services that meet or exceed customer expectations and requirements.



RPC Lasers, Inc.
203 Joseph St.
O'Fallon, MO 63366-2614 USA
Phone: 636-272-7227
Fax: 636-272-3909
Email: rpmc@rpmclasers.com
Web: www.rpmclasers.com

RPC offers picosecond / nanosecond / millisecond dpss / lamp pumped lasers to 1600W / 500J, industrial ultrafast micromachining lasers up to 50W, pulsed / cw fiber lasers, fiber coupled laser diode systems and laser diodes from 620nm – 2µm. For cutting, drilling, marking, heat treating, coating removal, welding, seeding. www.rpmclasers.com



100 Illinois St., Suite 200
St. Charles, IL 60174 USA
Phone: 630-797-2044
Fax: 630-797-2001
Email: info@scanlab-america.com
Web: www.scanlab-america.com

OEM-manufacturer of high-performance galvanometer scanners and galvanometer-based scanning systems for deflection and positioning of laser beams in up to three dimensions. Serves industrial, medical and scientific applications. The product range includes standard and high-end scan heads (more than 1.200 cps), scan systems for kW-range lasers, customized systems, control electronics and accessories.



Servo-Robot, Inc.
 1370 Hocquart St.
 St-Bruno, QC J3V 6E1 Canada
 Phone: 450-653-7868
 Fax: 450-653-7869
 Email: info@servorobot.com
 Web: www.servorobot.com

Servo-Robot, Inc. is specialized in the development and production of 3-D laser vision systems, including the new DigiLas laser welding head, for non-contact joint tracking, adaptive control and automated weld bead inspection. Servo-Robot systems are applied world-wide in arc and laser welding industries since 1983. Our leadership is based on the high quality and performance of our products.

Seton Family of Hospitals

1345 Philomena St, Suite 252
 Austin, TX 78723 USA
 Phone: 512-324-8908
 Fax: 512-324-8900
 Email: mdick@seton.org

Shanghai Jue Hua Laser Technology Development Co., Ltd.

4F (South), #3 Factory Building, No.76
 Qiqihar Rd.
 Shanghai 200082 Peoples Republic of China
 Phone: +86-21-55214880
 Fax: +86-21-55214080
 Email: jhlaser@yahoo.com.cn
 Web: www.jhlaser.com

Silsbee Family Medicine, PA

280 HWY 418 E
 Silsbee, TX 77656 USA
 Phone: 409-386-1200
 Fax: 409-386-1219
 Email: 1dcartrett@sbcglobal.net

Solaris Laser Institute

26932 Oso Pkwy.
 Mission Viejo, CA 92691 USA
 Phone: 866-444-6411
 Email: skamarei@aol.com

Solaris Laser Institute

16101 Venture Blvd., Suite 130
 Encino, CA 91436 USA
 Phone: 866-444-6411
 Email: skamarei@aol.com



Solaris Laser S.A.
 UL. Wynalazek 6
 Warszawa, 02-677 Poland
 Phone: +48-22-856-8970
 Fax: +48-22-8432636
 Web: www.solarislaser.com.pl

Manufacturer of vector based laser marking systems for "On the Fly" high speed package coding. Leading provider of beam-steered CO2 laser markers for industrial integration. Custom manufacturer of turnkey laser marking systems (Nd:YAG and CO2). Supplier of laser marking and cutting services.

Solyndra

47700 Kato Rd.
 Fremont, CA 94538 USA
 Phone: 408-507-8696



Spectra-Physics, A Division of Newport Corporation
 1791 Deere Ave.
 Irvine, CA 92606 USA
 Phone: 949-253-1462
 Fax: 949-253-1667
 Email: kim.abair@newport.com
 Web: www.newport.com

Newport Corporation provides photonic solutions that Make, Manage and Measure LightSM to the scientific research; aerospace and defense; microelectronics; industrial manufacturing; and life and health science markets. The company's product portfolio includes high-power semiconductor, solid-state and ultrafast lasers; photonics instrumentation; sub-micron positioning systems; vibration isolation; and optical components and subsystems.



Sperian Protection
 10 Thurber Blvd.
 Smithfield, RI 02917-1874 USA
 Toll Free: 800-500-4739
 Fax: 401-757-2912
 Email: mmclear@sperianprotection.com
 Web: www.glendalelaser.com

Sperian Protection is the worldwide leader in laser protective eyewear, windows, patient eye shields and specialty filters. Laser eyewear is available with three different filter technologies, Polymer, Mineral Glass or Dielectric coatings. We offer a wide range of frame styles to choose from featuring stylish designs and multiple adjustment options. Our patient eye shields are disposable, hypoallergenic and latex free. Specialty filters are designed to meet your individual filtration and product specifications.



SPI Lasers
6 Wellington Park Tollbar Way, Hedge End
Southampton, SO30 2QU Great Britain
Phone: +44-1-4897-79696
Fax: +44-1-4897-79698
Email: sales@spilasers.com
Web: www.spilasers.com

SPI Lasers is a leading designer and manufacturer of fiber lasers. Welding, cutting, marking and micromachining operations can be carried out faster and more accurately with an SPI Laser, for better reliability, less waste and improved productivity. For more information or a 30 day trial, visit www.spilasers.com.



SPIE
1000 20th Street, PO Box 10
Bellingham, WA 98227-0010 USA
Phone: 360-676-3290
Fax: 360-647-1445
Email: customerservice@spie.org
Web: www.SPIE.org

SPIE is an international society advancing an interdisciplinary approach to the science and application of light. The SPIE Digital Library houses over 255,000 technical papers from the Society's conference proceedings and journals in cutting edge technologies such as biophotonics, nanotechnology, sensors, lasers, electro-optics, imaging, solar energy and communications. Visit SPIE.org.

STC Catalysts Inc

10 Basil Sawyer Dr.
Hampton, VA 23666-1393 USA
Phone: 757-865-2014
Fax: 757-865-2017
Email: gwood@stcnet.com
Web: www.stc-catalysts.com



StockerYale, Inc.
275 Kesmark
Montreal, QC H9B 3J1 Canada
Phone: 514-685-1005
Toll Free: 800-814-9552
Fax: 514-685-6139
Email: lasers@stockeryale.com
Web: www.stockeryale.com

StockerYale, Inc. is an independent designer and manufacturer of Lasiris structured light lasers, LED modules and fluorescent illumination products, as well as phase masks and specialty optical fibers for use in a wide range of markets and industries including machine vision, industrial inspection, telecommunications, military, utilities, and medical.

Tampere University of Technology

Laser Application Lab
Korkeakoulunkatu 6
Tampere, Finland
Phone: +358-33115-2616
Fax: +358-33115-2753
Email: jorma.vihinen@tut.fi
Web: www.tut.fi

The Laser Application Laboratory (LAL) in the Tampere University of Technology conducts research and development on laser materials processing applications. LAL has a complete metallurgical laboratory and a variety of diagnostic equipment. Current areas of emphasis are surface improvement (cladding, hardening).

Taroko International Co., Ltd.

263 ERH-JEN Rd. Sec 1, JEN-TE
Taiwan, Taiwan
Phone: +886-6-366-3333
Fax: +886-6-366-3456
Email: anthony@taroko-int.com.tw
Web: www.taroko-int.com.tw

TDK-Lambda Americas

405 Essex Rd.
Neptune, NJ 07753 USA
Phone: 732-922-9300
Fax: 732-922-1441
Email: john.breckner@us.tdk-lambda.com
Web: www.us.tdk-lambda.com/hp

Genesys programmable AC/DC power. 750W to 15kW, Outputs 7.5 to 600VDC, current to 1000A. Worldwide Inputs. RS-232/485 Standard. Advanced Parallel Operation - four like units in parallel to 60kW. Common family controls. Now with LXI-C LAN Interface option. Flexible, reliable power for critical process and test systems.

Home of the World's Finest Etalons and Laser Optics



TecOptics, Inc.
1760 Grand Ave.
Merrick, NY 11566-3310 USA
Phone: 516-379-1203
Fax: 516-546-7031
Email: info@tecoptics.com
Web: www.tecoptics.com

Ultra-high damage threshold laser optics (UV to near IR), airspaced and solid etalons, MicroEtalons for fiberoptic communications, tunable etalons, optical substrates to 700mm diameter. CW diode-pumped solid-state lasers.

Telesis Technologies

28181 River Dr.
Circleville, OH 43113 USA
Phone: 740-420-6558
Fax: 740-477-5001
Email: sales@telesistech.com
Web: www.telesis.com



Tennessee Rand
702 Moccasin Bend Rd.
Chattanooga, TN 327405 USA
Phone: 423-664-7263
Fax: 423-664-7264

Tennessee Rand is a full service automation integrator that has developed a stellar reputation in the industry for its high quality products, superior customer service, speed of design to delivery, dependability of delivery and its innovative tooling expertise. Based from its state of the art 100,000 sq. ft. manufacturing plant in Chattanooga TN, Tennessee Rand has the in house expertise and resources to and build and support a broad variety of automated equipment. CHALLENGE US!!!!!!

TEXCEL

Texcel, LLC
55 Deer Park Dr.
East Longmeadow, MA 01028-0587 USA
Phone: 800-754-1860
Fax: 413-525-6644
Web: www.texcelaser.com

Texcel LLC is a Massachusetts based medical device company that assists companies in developing and manufacturing implantable medical devices; including pulse generators (IPGs) for neuromodulation and cardiac rhythm management, hearing restoration devices, and cardiac assist pumps. Texcel operates a 20,000 sq.-ft. FDA registered and ISO certified facility.

The Scripps Research Institute

9850 Genesee Ave.
La Jolla, CA 92037 USA
Phone: 858-784-8240
Fax: 858-784-8490
Email: ppater@scripps.edu

The University of Texas at San Antonio

UTSA - Environmental Health, Safety & Risk Management
One UTSA Circle
San Antonio, TX 78249 USA
Phone: 210-458-5250
Fax: 210-458-5813
Email: nancy.woodward@utsa.edu
Web: www.utsa.edu

Three Rivers Community College

Thames Valley Campus
574 New London Turnpike
Norwich, CT 06360 USA
Phone: 860-892-5716
Fax: 860-886-0691
Email: jdonnelly@trcc.comnet.edu
Web: www.trcc.comnet.edu

TRUMPF



TRUMPF, Inc.
Laser Technology Center
47711 Clipper St.
Plymouth, MI 48170 USA
Phone: 734-454-7200
Fax: 734-354-9769
Email: camille.szafran@us.trumpf.com
Web: www.us.trumpf.com

The TRUMPF Group is the world market and technology leader in the area of industrial lasers and laser systems. The product line includes laser cutting and welding systems for flat and 3D parts, high-powered CO2 lasers, lamp and diode pumped solid-state lasers, as well as marking lasers and systems. TRUMPF is distinctive for its development of new technologies and high-performance laser systems and beam sources, swift translation of technological concepts into user-oriented innovations, high standards of quality, and reliable customer service.



U.S. Laser Corporation
825 Windham Ct. N
Wyckoff, NJ 07481 USA
Phone: 201-848-9200
Fax: 201-848-9006
Email: cmiller@uslasercorp.com
Web: www.uslasercorp.com

For over 20 years, U.S. Laser has been the premier U.S. manufacturer of Nd:YAG lasers and laser systems for industrial materials processing applications (marking, welding, soldering, micromachining, photovoltaics, speciality). U.S. Laser maintains a laser applications laboratory for feasibility studies, and provides technical support for laser systems from various manufacturers.

Universidade de Vigo

Departamento de Fisica Aplicada
Lagoas-Marocense, 9
VIGO, 36280 Spain
Phone: +34-986-812216
Fax: +34-986-812201
Email: jpou@uvigo.es

University Medical Center At Princeton

253 Witherspoon St
Princeton, NJ 08540 USA

University of Arizona

Radiation Control Office
P.O. Box 245101
Tucson, AZ 85724-5101 USA
Phone: 520-626-6850
Fax: 520-626-2583



University of Central Florida CREOL & FPCE
The College of Optics and Photonics
P.O. Box 162700

4000 Central Florida Blvd.
Orlando, FL 32816 USA
Phone: 407-823-6800
Fax: 407-823-6880
Email: info@creol.ucf.edu
Web: www.optics.ucf.edu

CREOL & FPCE, The College of Optics & Photonics at the University of Central Florida is a graduate college for optical science and engineering education and research. CREOL, the Center for Research and Education in Optics and Lasers, and FPCE, the Florida Photonics Center of Excellence, are research centers within the College. We also recently inaugurated the Townes Laser Institute named after Charles Townes the inventor of the maser and laser. The College currently has 40 faculty members and faculty with joint appointments, 56 research scientists and 160 graduate students. Research activities cover all aspects of optics, photonics, and lasers. Collaborations with industry are encouraged through an Industrial Affiliates Program. Interested parties can contact jpearson@creol.ucf.edu and visit www.creol.ucf.edu.

University of Texas at Austin

304 E 24th St., Suite 221
Austin, TX 78712 USA

USG

550 W. Adams
Chicago, IL 60661 USA
Phone: 312-436-5789
Fax: 312-672-3999



A Wayne Trail Technologies Company

VIL Laser Systems/Wayne Trail Technologies
203 E Park St.
Fort Loramie, OH 45845-9303 USA
Phone: 937-295-2120
Fax: 937-295-2642

Web: www.waynetrail.com

Designer/manufacturer of laser processing systems, including standardized "FLEX LASE" universal laser processing cells, systems for the production of laser welded tailored blanks, stand-alone precision edge prep and shearing systems for laser butt welding of sheet metal. Blank handling automation, press automation, destacking and stacking equipment for sheet metal blanks and tubes.

Vinyl Technologies, Inc. (Vytek)

195 Industrial Rd.
Fitchburg, MA 01420-4654 USA
Phone: 978-342-9800
Fax: 978-342-0606
Email: sales@vy-tek.com
Web: www.vy-tek.com

Virtual Laser Application Design LLC

P.O. Box 11
Pine Grove Mills, PA 16868 USA
Phone: 814-237-8523
Fax: 814-237-8523
Email: vlad@laserapplicationdesign.com

VITO

Boeretang 200
1400 Mol, Belgium
Phone: +32-14-33-5548
Fax: +32-14-33-55-99
Email: eltrid.moors@vito.be
Web: www.vito.be

Vito, the Flemish institute for technological research, is an independent research centre, a crossroads of knowledge where the latest technologies and practical applications meet. Vito conducts customer oriented contract research and develops innovative products and processes in the fields of energy, environment and materials, and this for both the public and the private sector. Central to all projects are protecting the environment and encouraging sustainable use of energy and raw materials, because we think that everyone, including those to come after us, has the right to a healthy living and working environment.



Wilson Industries, Inc.
123 Explorer Street
Pomona, CA 91768-3278 USA
Phone: 909-468-3636
Fax: 909-468-3640
Email: info@jacksonsafety.com
Web: www.wilsonindustries.com

Wilson Industries (1957) is the leading manufacturer of Industrial curtains, screens, barriers and partitions. The company features its laser barrier providing diffuse beam protection up to 1000 W/cm². Wilson's has Laser safety accessories for class 3b/ 4 lasers including barriers, eyewear, signs, beam stops, interlocks, safety clothing and hard hats.

Yamamoto Kogaku Co., Ltd.

25-8, Chodo-3
Higashiosaka, 577-0056 Japan
Phone: +06-6783-1104
Fax: +06-6789-9677
Email: ishiba@yamamoto-kogaku.co.jp
Web: www.yamamoto-kogaku.co.jp

SPIE Courses



Money-back Guarantee

We are confident that once you experience an SPIE course for yourself you will look to SPIE for your future education needs. However, if for any reason you are dissatisfied, SPIE will gladly refund your money. We just ask that you tell us what you did not like; suggestions for improvement are always welcome.

Continuing Education Units



SPIE has been approved as an authorized provider of CEUs by IACET, The International Association for Continuing Education and Training (Provider #1002092). In obtaining this approval, SPIE has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice.

Attend an SPIE Course

The Society has hand picked some of the top minds from academia and industry to lead a variety of courses at SPIE Events.

Register for a course:

- ▶ Take advantage of the industry's best instructors
- ▶ Further your career through ongoing education
- ▶ Earn CEUs for your continuing education

spie.org/education

INTERNATIONAL MEDIA FRANCHISE

- Domestic & International Magazines
- Website
- Video
- Buyers Guide
- E-Newsletters
- Application Notes
- Webcasts
- List & E-List Rentals



INDUSTRIAL Laser Solutions® FOR MANUFACTURING

For more information contact:
National Sales Manager
Allison O'Connor
Tel: 408.991.9109
E-mail: allison@jagmediasales.com



industrial-lasers.com

THE CHOICE FOR PRECISE CUTTING AND WELDING

SUPER COMPACT 100 - 1,000 WATT FIBER LASERS NOW WITH INTERNAL PULSE GENERATOR OPTION



- Wall plug efficiency >34%
- Air cooled or water cooled configuration
- Single mode or multi mode
- Gaussian or top hat beam profile
- Plug & play design
- Large collimator selection
- Thousands of lasers installed in the field
- Reliable, low-maintenance operation



IPG's fiber lasers provide high beam quality over the entire power range. In most conventional laser solutions, the beam quality is sensitive to output power, while in fiber lasers, the output beam is virtually non-divergent over a wide power range, meaning the beam can be focused to achieve high levels of precision, increased power densities and greater distances over which processing can be completed. The superior beam quality and greater intensity of a fiber laser's beam allow tasks to be accomplished rapidly and with lower-power units than comparable conventional lasers.



THE HEART OF YOUR PRODUCTION

IPG Photonics CW Ytterbium Fiber Lasers

FREE APPLICATIONS PROCESSING

Come visit us at one of our 3 US Applications Labs including our new facility in Santa Clara, CA.

IPG
PHOTONICS®

sales.us@ipgphotonics.com
www.ipgphotonics.com