



Real Value-Add Service and Support

Narrow Line Photonics Distribution for the UK & Ireland



* GENERATION * EMISSION * TRANSMISSION * MODULATION * PROCESSING * SWITCHING * AMPLIFICATION * DETECTION * SENSING

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ELUXI – Delivering Photonics Solutions

From its central location in the UK’s East Midlands, ELUXI specialises in the supply of premium photonics products and solutions for the UK and Ireland. Working with leading global suppliers, we concentrate on the provision of the very best high-tech products, designed to meet the most exacting needs of the industrial, medical, energy and defence sectors as well as research organisations.

All activities are underpinned by a specialist team of experienced photonics professionals, dedicated and focused on delivering successful end results. A wealth of technical knowledge combined with a consultative approach to business ensures the delivery of optimal solutions to meet the needs of the simplest to the most challenging of requirements.

ELUXI – Narrow Line Distribution

In addition and somewhat uniquely, ELUXI maximises the value that it brings to both its customers and suppliers alike, by working exclusively, transparently and in close partnership with only a select number of suppliers. In this way ELUXI realises its philosophy of providing the best possible support.

In fact, we believe that a narrow line distribution approach is the only real way to ensure an in-depth understanding of suppliers’ products, technologies and capabilities on the one hand along with being able to understand and communicate customers’ needs effectively on the other hand. Whether a customer or a supplier, allow ELUXI to provide you with the value-added service you deserve!

ELUXI – Coverage

ELUXI covers the home nations of the UK along with Ireland.



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Delivering Leading Photonics Solutions

Innolume
offers unique diode lasers and broadband light sources covering a unique wavelength range of 950nm to 1320nm, based on its proprietary Quantum Dot technology. High power laser bars as well as single emitters chips and fibre coupled modules are all available.

Pegasus
is a long established German manufacturer of high high power specialist diode and DPSS lasers operating in the visible and near IR, in single and multiple line configurations for a variety of industrial, research medical and bio-tech applications. In addition Pegasus produces its own drivers and TEC coolers

LN Solutions
manufacture the best possible Low Noise laser systems utilising patented noise and vibration reduction innovations to provide the lowest phase noise, narrowest linewidth and most vibration insensitive lasers available.

Low Noise Lasers
LN Solutions
Light that works for you

Diode & DPSS Lasers
PEGASUS
Linienlaser Diodenlaser Festkörperlaser

High Power Quantum Dot Lasers
innolume

CO₂ Lasers
IRADION
Ceramic Core CO₂ Lasers

ECDL Tuneable Lasers
TEOS

Fibre Amplifiers & Fibre Lasers
NUPHOTON TECHNOLOGIES

Fibre Components Lasers
TeraXion

Fibre Amplifiers **MPB** Fibre Lasers
MPB Communications Inc.

Passive Fibre Optic Components
AFR Advanced Fiber Resources

Optical Fibre, Fibre Assemblies, & Components
LightGuideOptics Germany

LightguideOptics
are a leading global, vertically integrated fibre optics manufacturing company, supplying both fibre and fibre assemblies mainly to the industrial, research and medical markets. Products include silica/silica optical fibres, cables, bundles round to round, round to line, fused end bundles, medical fibres and probes

DIAMOND
Diamond is the world's leading manufacturer of high-precision fibre optic active and passive interconnected solutions including a full range of connectors, adapters and accessories for use by carriers, medicine, aviation and specialist industry.

Fibre Optic **DIAMOND** Inter-connects
the fiber meeting

Iradion Lasers
Specialises in the design and manufacture of patented ceramic core, sealed RF excited CO₂ lasers in the power range of 20W to 500W. This leading edge technology has its root in lasers designed for demanding military and aerospace applications and is now available for the industrial market.

Laser & Electro-Optic Solutions
Specialises in laser sources for high precision laser spectroscopy and laser cooling, along with customised solutions for cold atom sources and quantum gas experiments its single frequency laser sources, cover the full spectral range from 205nm to 1.60 microns

Nuphoton Technologies Inc.
is a pioneer in the field of fibre lasers and fibre amplifiers. Using proprietary, leading edge technologies the company offers high performance fibre lasers, EDFAs as well as broadband ASE and Supercontinuum sources

TeraXion
has designed and manufactured state-of-the-art optical components and modules for high-speed fibre-optic transmission networks, fibre lasers and optical sensing applications since 2000. Its core competencies being proprietary fibre Bragg grating (FBG) and laser frequency control technologies.

MPB Communications
design and manufacture high-performance fibre based photonic products for industrial, research, military and telecommunications applications. Products include Raman fibre lasers and amplifiers and broadband sources, visible fibre lasers and passively mode-locked lasers.

Advanced Fiber Resources
along with its standard range of passive fibre optic components, such as circulators, isolators, Faraday mirrors, fused WDM's etc., AFR specialises in high power and polarisation maintaining fibre optic components. Available at standard and custom wavelengths including 2µm solutions.

Lasers & Broadband Sources

Amplifiers

Optical Fibre Assemblies & Components

Laser Scanning Components and Systems
ARGES

Narrow Line-width Lasers **OEwaves** Phase Measurement Systems

Quantum Cascade MWIR Lasers & Sensors
mir sense

Polarisation Control & Management
Making Light Work Lighter
General Photonics

LED's, Cameras & Spectrometers
Mightex
Simply Brighter

IR Detectors & Arrays
N.E.P.
New England Photoconductor

Silicon and InGaAs Detectors
OSI Optoelectronics
An OSI Systems Company

Lasers, Detectors, Transmitters & Receivers
OSI LaserDiode, Inc.
An OSI Systems Company

Optical Components **sill** Optical Assemblies
OPTICS

Aspheric Optical Components **rpo** Optical Assemblies
Rochester Precision Optics

Tuneable Filters
WL Photonics Inc.

WL Photonics
provide manual and electrically tuneable fibre pigtailed filters over 1000 to 1700nm spectral band with up to 200nm single tuning range using a unique athermal Crystal-Bench platform offering world beating performance in wavelength tuning and conditioning.

Rochester Precision Optics
is a leading optics manufacturer providing components and full optical systems to both defence and commercial markets. Based in Rochester, New York, RPO has over 112,000 sq. ft. of modern optical manufacturing and specializes in its aspheric optics capabilities to provide lightweight and affordable optical sub-systems

Instrumentation

Detectors Sensors & Imagers

Optical Assemblies

ARGES
develop and manufacture innovative laser scanning systems for the deflection and positioning of laser beams in demanding applications in the laser components market. In addition ARGES also develop tailored customer- and application-specific solutions, and implement complete laser subsystems for integration into laser processing facilities.

OEwaves Inc.
is a leader in innovative Microwave photonic product and solutions. It develops and offers state-of-the-art technologies and products in support of radar, communications and test & measurement systems for military and commercial markets. Specialist products include ultra-narrow line-width, low phase noise lasers and phase noise measurement systems

mirsense
are a world leading European manufacturer of low and high power mid-wave IR Quantum Cascade Lasers (QCL) and QCL based spectrometer modules. Their custom or off-the-shelf solutions, address a broad range of applications including, Gas Sensing, Instrumentation, Bio & Healthcare, DIRCM and Standoff Detection

General Photonics
provide high-performance solutions for polarisation measurement / management and timing control. Products include polarization controllers, scramblers, synthesizers, stabilizers and analysis instruments, PMD source, emulation / compensation products, digital DGD generators, optical delay lines and other special products

Mightex
is a leading supplier of photonic products and services for a broad spectrum of applications including industrial imaging, bio-photonic solutions LED illumination, machine vision, life and health sciences and industrial test and measurement

NEP
is a specialist manufacturer of lead sulphide and lead selenide room temperature or cooled detectors and integrating multiplexed linear arrays. NEP offers a comprehensive package of solutions including multicolour sensors, filtered packages, hybrid Amplifiers, infra-red sources, InGaAs detectors, detector controllers and TE cooler controllers.

OSI Optoelectronics
With more than 30 years of combined experience in the field of opto-electronics and two world-class manufacturing facilities are one of the largest manufacturers of standard and custom photodiodes and optical sensors in the USA. Delivering an extensive set of engineering design support and manufacturing capabilities.

OSI LaserDiode Inc.
manufacture opto-electronic products for telecommunications, data communications, industrial, medical and military applications. Products include high-power pulsed and CW lasers, data links, PIN diodes, communication laser diodes, ELEDs, OTD Lasers, receiver and Transmitter modules.

Sill Optics
are specialist designers and manufacturers of opto-mechanical subsystems, multi-element objectives, large illumination optics and precision optical components for industrial, medical, quality control and research applications. Products include: reprographic scan optics, comparator projection lenses and medical laser optics.