



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
Offer 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
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

Iradion Lasers
Specialise 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.

Diode & DPSS Lasers
PEGASUS
Linienlaser Diodenlaser Festkörperlaser

High Power Quantum Dot Lasers
INNOLUME

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

CO₂ Lasers
IRADION
Ceramic Core CO₂ Lasers

Biophotonic Solutions
The leading innovator and provider of practical systems for femto-second laser control with adaptive pulse compression. The pulse shapers provide precise phase characterization, pulse measurement, compression and arbitrary pulse shaping from a single device.

ECDL Tuneable Lasers
TEQS

Femto-Second Pulse Compression & Shaping
Biophotonic SOLUTIONS INC.
ULTRA-HIGH PULSE SHAPING & COMPRESSION

Nuphoton Technologies
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.

Fibre Amplifiers & Fibre Lasers
NUPHOTON TECHNOLOGIES

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

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.

Passive Fibre Optic Components
AFR **Advanced Fiber Resources**

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

LightguideOptics
The leading, 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
Are 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.

Optical Fibre, Fibre Assemblies, & Components
LightGuideOptics Germany

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

Lasers & Broadband Sources

Amplifiers

Optical Fibre Assemblies & Components

Laser Scanning Components and Systems
ARGES

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
The 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.

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

Quantum Cascade MWIR Lasers & Sensors
mir sense

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

Instrumentation

Polarisation Control & Management
Making Light Work Lighter
General Photonics

Enable
Enable's recent advances in imaging technologies is helping the company emerge as an industry leader in ground-breaking low-cost, highly-flexible, miniature imaging solutions. With novel miniature endoscopic imaging solutions for medical, industrial, defence and aerospace applications. The products are already empowering existing devices with direct visualisation.

Miniature Imaging Cameras
Enable, Inc.
Imaging Innovations

Detectors Sensors & Imagers

Laser & SLED Drivers
BERATRON
electronic solutions

Beratron
A specialist manufacturer of standard and custom current sources for pulsed applications, especially for use with high-power diode lasers whether in the form of single diodes, bars or arrays. A variety of housings are offered including 19-inch rack units, which are controllable via RS232, USB and CAN-Bus and provided with easy-to-use control-software.

Silicon and InGaAs Detectors
OSI Optoelectronics
An OSI Systems Company

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.

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

Optical Assemblies

Optical Components **sill** **Optical Assemblies**
OPTICS

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.

Aspheric Optical Components **rpo** **Optical Assemblies**
Roofcon™ - Precision Optics

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
The 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

Tuneable Filters
WL PHOTONICS INC.

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.