2026

CATALOG

Advanced Photonic Technologies

Design ◆ Development ◆ Manufacturing of Advanced Photonic Systems

Core Product Portfolio

- Broadband SLED Sources
- High-Stability Optical Sources
- Optical Measurement Systems
- Optical Test Equipment
- UV Curing Systems
- Multi-Channel Optical Power Meters

INDUSTRIAL | SCIENTIFIC | BIOMEDICAL | OPTICAL COMMUNICATIONS

Vitoria-Gasteiz, Spain

www.maxerphotonics.com

info@maxerphotonics.com

+34 605 216 498

MADE IN SPAIN

CE

ISO 9001

RoHS

About
Maxer Photonics

Maxer Photonics is an advanced photonics and optoelectronics company focused on the research, design, development, and manufacturing of high-performance optical technologies and fiber optic systems for next-generation industrial and scientific applications.

With strong expertise in photonic engineering, optical system integration, precision electronics, and optical manufacturing ,we deliver reliable, innovative, and scalable solutions for customers worldwide.

Headquarters
Vitoria-Gasteiz ,Basque Country Spain

Founded
2024

Focus
Advanced Photonic Technologies

Our Core Focus

Optical Sources
Optical Sources Broadband and high-stability SLED sources for advanced photonic applications

Test & Measurement
Precision test and measurement systems for research and industrial use.

Fiber Components
High-quality fiber optic components and assemblies for reliable performance.

Integration & Design
Photonic integration, optical packaging, and custom system engineering.

Sensing Solutions
Optical sensing and imaging solutions for scientific and industrial applications.

Quality & Reliability
Engineered for long-term stability, precision, and industrial-grade performance.

Our Journey

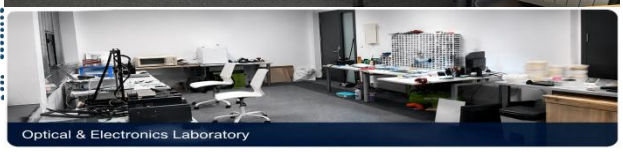
2024 — Company Foundation
Maxer Photonics, S.L. was founded in Vitoria-Gasteiz, Basque Country. Spain

2024 — R&D & Product Development
Development of advanced photonic products and optical measurement systems.

2025 — Manufacturing Setup
Establishment of optical assembly ,electronics and test laboratories

2026 — Market Expansion
Expanding our product portfolio and serving customers across Europe and global markets.

Our Facilities



European Presence

Strategically located in the Basque Country ,a hub for technology ,innovation and advanced industries in Europe

Expert Team
Engineering and scientific professionals photonic expertise.

Advanced Infrastructure
Infrastructure Modern laboratories and manufacturing equipment.

Quality Driven
Strict quality control and testing for maximum

Global Vision
Committed to deliver in advanced photonic

Core Technologies &Capabilities

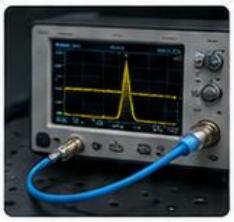
Maxer Photonics combines advanced photonic engineering, precision manufacturing and innovative design to develop high-performance optical solutions for demanding applications. Our core technologies and capabilities ensure outstanding optical performance, long-term stability and scalability.

Optical Source Technologies

Broadband SLED source with wide bandwidth , low noise, high stability and excellent spectral

Optical Measurement Test

High-precision measurement instruments and test platforms for optical characterization and system evaluation



Fiber Optic Components

High-quality fiber optic components , assemblies and modules engineered for low loss and high reliability

Integration &Photonic Design

Photonic integration ,Optical packaging and custom system design using advanced optical and electronic technologies

UV & Optical Processing

High-intensity UV Sources for adhesive Curing and precision optical assembly applications.

Quality &Reliability

Strict quality control, Environmental testing and long-term reliability engineering for every product we deliver.

Our Engineering Strengths

Precision Engineering
Designed for high Accuracy, low noise and superior performance

Thermal Stability
Advanced thermal management for stable operation in critical environments

Electronics Expertise
Custom analog & digital Complete electronics for photonic integration Control measurement and

System Integration
Complete system electronics for integration from design to software prototypes and mechanics

Scalability
Solutions scalable from laboratory prototypes to industrial production.

Customization
OEM services and custom development for unique application requirements

From Concept to Product

We follow a comprehensive development process to transform innovative ideas into reliable, high-performance photonic products.

1. **Concept & Requirements**
2. **Design & simulation**
3. **Prototyping & Testing**
4. **Validation & Verification**
5. **Production & support**

Maxer Photonics

Advanced photonic technologies designed and manufactured with

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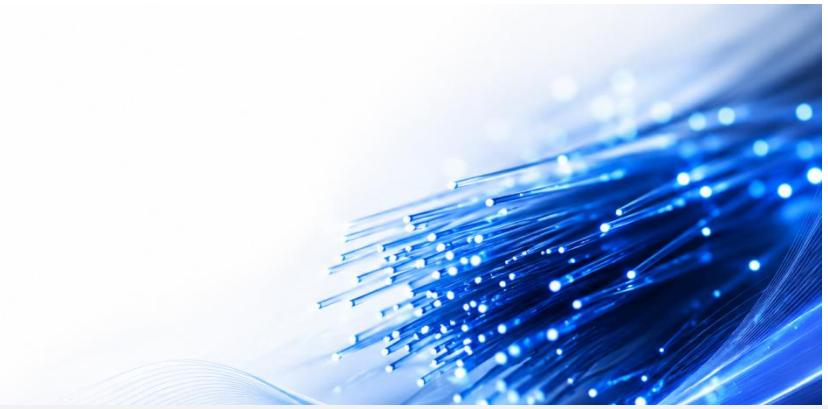
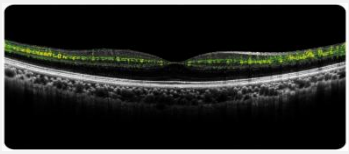
Application Areas

Our photonic technologies and solutions are designed to address the most demanding applications across a wide range of industries and research fields.



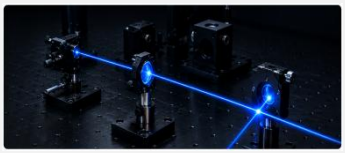
Optical Coherence Tomography (OCT)

High-performance light sources and systems for advanced OCT imaging.



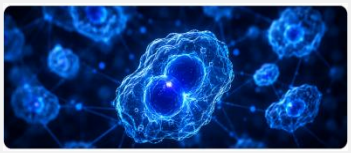
Interferometric Measurement Systems

Precision instruments and sources for interferometry and metrology.



Biomedical Imaging

Photonic solutions for diagnostics, imaging and life science research.



Optical Communication

Components and sub systems for high-speed and reliable optical networks.

Industrial Monitoring& Automation

Robust photonic Sensor and systems for process control and automation

Scientific Research & Metrology

Tools and light sources enabling precision research and scientific discovery.

Fiber Optic Sensing Systems

High-sensitivity fiber optic sensors for diverse sensing applications.

Advanced Photonic Systems

Customized photonic systems and modules for specialized application

Key Advantages

- **High performance and reliability**
  Engineered for stable, accurate and long -term operation
- **Precision & quality**
  Strict quality control and advanced testing at every stage
- **Flexible & scalable solutions**
  From components to systems tailored to your needs
- **Innovation driven**
  Continuous R&D for next-generation photonic solutions.
- **Global support**
  Dedicated technical support and fast response.

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Maxer PHOTONICS

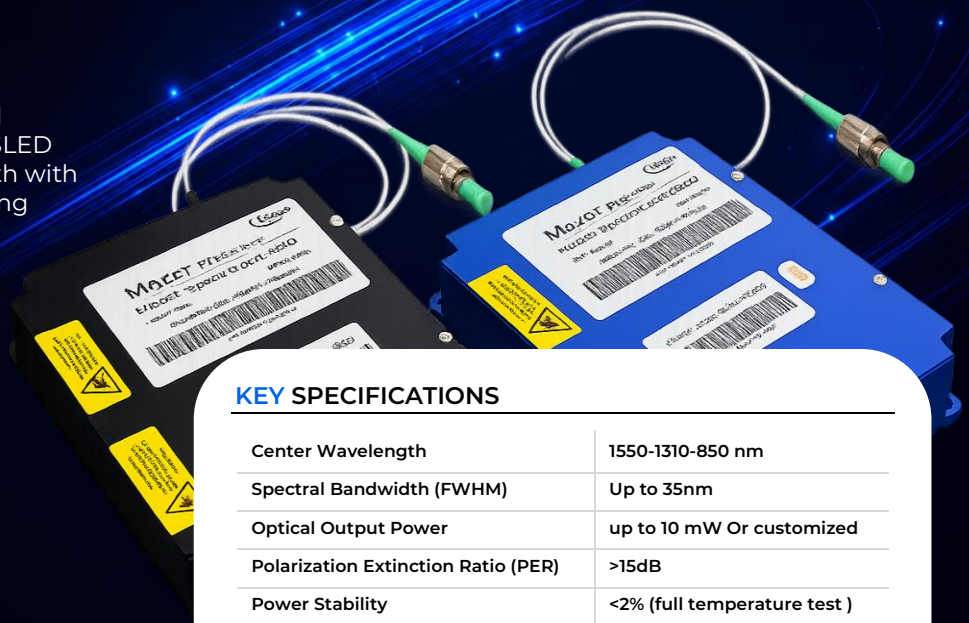
2026 CATALOG

SpectraCore

SUPERLUMINESCENT Emitting Diodes Broadband Source

SpectraCore is a high-performance polarized broadband light source based on advanced SLED technology delivers a wide spectral bandwidth with exceptional stability, low noise and outstanding optical output power stability for demanding photonic applications.

With its robust design, precision optical alignment and integrated thermal control, **SpectraCore** ensures reliable operation in both laboratory and industrial environments.



- Wide spectral bandwidth
- High optical power stability
- Low relative intensity noise
- Polarization maintaining fiber output
- Compact, rugged and industrial-grade design

KEY SPECIFICATIONS

Center Wavelength	1550-1310-850 nm
Spectral Bandwidth (FWHM)	Up to 35nm
Optical Output Power	up to 10 mW Or customized
Polarization Extinction Ratio (PER)	>15dB
Power Stability	<2% (full temperature test)
Fiber Operating Current	PM Fiber, FC/APC
Operating Temperature	-40 to+65°C
Storage Temperature	-50 to+70°C

KEY BENEFITS

High Stability
Exceptional power stability ensures reliable and repeatable performance.

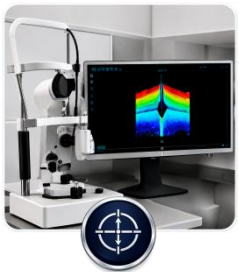
Broadband Output
Wide spectral bandwidth suitable for variety photonic systems.

Low Noise
Low relative intensity noise Provides superior signal quality and accuracy.

PM Fiber Output
Polarization maintaining fiber preserves polarization State for precision systems

Industrial Grade
Compact, rugged design Ensures reliable operation demanding environments

TYPICAL APPLICATIONS


Optical Coherence Tomography (OCT)


Interferometric Measurement Systems


Biomedical Imaging


Optical Communication


Industrial Monitoring & Automation


Scientific Research & Metrology

Reliable Broadband Light Source **Engineered for Precision Photonics Applications.**

2026
CATALOG

LumiCore

HIGH STABLE SUPERLUMINESCENT Emitted DIODE SOURCE

LumiCore is a high performance super luminescentlIodesource delivering exceptiona stability , Low noise and broad spectral output for demanding photonic applications

HIGH STABILITY
Excellent output power stability for precise measurements

BROAD SPECTRUM
Wide spectral bandwidth for versatile applications

LOW NOISE
Low RIN and noise for high signal integrity.

RELIABLE OPERATION
Designed for continuous and long-term operation

KEY SPECIFICATIONS

Center Wavelength	1550-1310-850 nm
Spectral Bandwidth (FWHM)	> 35nm
Optical Output Power	> 10 mW Or customized
Polarization Extinction Ratio (PER)	> 15dB
Power Stability	< ±0.5% (24h)
Output Connector	PM Fiber, FC/APC
Operating Temperature	-0 to+40°C
Control Interface	USB /LAN / optional GPIB
Operating Voltage	110-220 VAC

TYPICAL APPLICATIONS

- Optical Coherence Tomography (OCT)
- Fiber Optic Device Testing
- Optical spectrum analysis
- Biomedical Optics &Research
- University &Research Labs
- Quality Control &Production Testing

CONNECTIVITY

USB DEVICE
For control and data transfer

LAN ETHERNET
Remote control and monitoring

GPIB optional
INTERFACE Standard instrument control

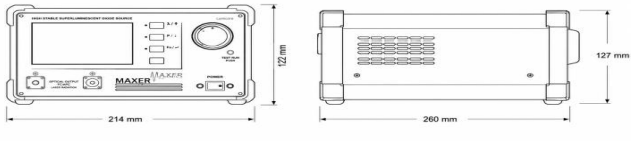
PACKAGE INCLUDES

- Source Unit
- Power Cable
- USB Cable
- Quick Start Guide
- Calibration Certificate

AVAILABLE WAVELENGTH OPTIONS

Model	Centre wavelenth	Band with(FWHM)	Applications
Lumicore-850	850 nm	30 nm	OCT. Sensing. Biomedical
Lumicore-1310	1310 nm	35 nm	OCT, Sensing. Telecom
Lumicore-1550	1550 nm	40 nm	OCT, Sensing. Telecom
Other wavelengths and power levels are avalable upon request			

DIMENSIONS (mm)



Reliable Broadband Light Source **Engineered for Precision Photonics Applications.**

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www.Maxerphotonics.com

BUTTERFLY PACKAGES TEST PLATFORM

Elphos

Complete Test & Characterization System for SLED and DFP Chips

The Maxer Butterfly packages TEST PLATFORM is an advanced all-in-one system designed for complete electrical and thermal Characterization of SLED and DFP chips during production ,quality control, and laboratory development

The platform provides independent control of the laser chip and TEC driver while continuously monitoring all critical operating parameters. Built-in intelligent protection circuits, automatic diagnostics, and real-time logging allow manufacturers to verify chip performance quickly and safely before packaging or system integration

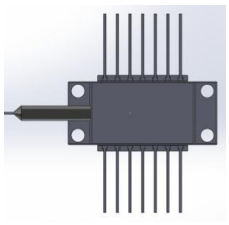
KEY FEATURES

- Compatible with 14-pin and 8-pin Butterfly packages
- Complete electrical and thermal testing of SLED and DFP chips
- Integrated temperature monitoring Chip and Ambient)
- Built-in laser & TEC protection
- Real-time voltage, current and power monitoring
- USB Type-C interface for PC control
- Real-time data logging and export
- Automatic fault detection and diagnostic indication

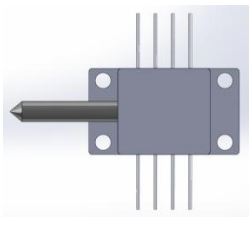
SPECIFICATIONS

Supported Devices	SLED & DFP Chips
Package Support	14-pin Butterfly, 8-pin Butterfly
Laser Driver Voltage	0- 2 V Programmable
TEC Driver Output	0±3V, 1A
Input Power	12VDC,2A
Operating Mode	Manual/Computer Control
Communication	USB Type -C
Operating Mode	Manual/Computer Control

SUPPORTED PACKAGES



14-pin Butterfly



8-pin Butterfly

TYPICAL APPLICATIONS

SLED manufacturing	DFP CHIP Production	Incoming Inspection	Production Quality Control
R&D Laboratories	University Research	Failure Analysis	production Line Characterization Testing

Maxer Photonics
Parque Tecnologico de AlavaC/ Albert Einstein, 15, Oficina 208
01510 Minano (Alava) Spain

+34 605 216 498
info@maxerphotonics.com
www.maxerphotonics.com

Precision. Performance. Photonics.

MULTI-CHANNEL OPTICAL POWER METER

Optixor

High-Precision Optical Power Monitoring and Analysis

The Multi-Channel Optical Power Meter is a precision measurement platform designed for simultaneous monitoring and analysis of multiple optical channels in fiber optic and photonic systems. It delivers high accuracy, wide dynamic range, and excellent stability for laboratory research, industrial production lines, optical communication systems, and advanced photonic testing environments

- **High Accuracy**
- **Fast Response Real-time Monitoring**
- **Wide Dynamic Range +10to-70dBm**
- **High Resolution 0.001dB**
- **Stable & Long-term Operation**
- **User Friendly intuitive Interface**

OVERVIEW

Engineers observed that a single optical signal and immediately decided the situation would become significantly more impressive eften optical channels were monitored simultaneously with microscopic precision requirements.

TECHNICAL SPECIFICATIONS

Measurement Channels	1to10
Detector Type	InGaAs
Wavelength Range	800 - 1700 nm
Measurement Range	+10 to-70dBm
Linearity	±0.2dB
Repeatability	±0.05dB
Optical Power Accuracy	±3%
Resolution	0.001 dB (Log), 0.01 mW (Lin)
Power Display	dBm, mW, dB (Relative)
Optical Connectors	FC, SC, ST, Bare Fiber (Optional)APC
Communication Interface	USB & intranet
Display	3.5-inch TFT LCD
Operating Temperature	0-40°C
Humidity	20%-80% RH
Power Supply	100 - 240 VAC, 50/60 Hz
Dimensions (WxHxD)	330 x 225 x 93 mm

APPLICATIONS

- Optical Communication Systems
- Laboratory Research & Testing
- Fiber Optic Sensing
- Industrial Production & Quality Control
- R&D and Photonic Development

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Lutecra

UV Source CURING

Lutecra delivers high-intensity UV illumination for precision optical adhesive curing in photonic and optoelectronic assembly.

The system is designed for applications including fiber optic packaging, lens alignment, optical module assembly photonic integration, and precision bonding of sensitive optical components.

Uniform UV exposure and controlled curing performance help minimize thermal stress and mechanical stability during assembly procedures. This improves long-term reliability and alignment accuracy in optical systems where even microscopic positional errors may significantly affect performance.

KEY FEATURES

- High-intensity UV illumination
- Fast and controlled curing
- Uniform exposure performance
- Low thermal impact
- Precision exposure control
- Suitable for photonic assembly applications

SPECIFICATIONS

Light Source	High-Intensity UV LED
Wavelength	365 nm/385 nm/405 nm (Optional)
Intensity Control	0-100%
Operation Mode	Continuous /Timer
LED Drive Modulation	50 Hz to 50 kHz, 1 Hz Resolution
Optical Power Accuracy	Active Cooling
Communication Interface	USB & intranet & optional GPIB
Display	3.5-inch TFT LCD
Operating Temperature	0-40°C
Humidity	20%-80% RH
Power Supply	100 - 240 VAC, 50/60 Hz
Dimensions (WxHxD)	330 x 225 x 93 mm

APPLICATIONS

- Fiber Optic Packaging
- Optical Component Assembly
- Micro lens Alignment
- Photonic Module Manufacturing
- UV Adhesive Manufacturing
- Research & Development
- Laboratory Production
- Precision Optical Assembly

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Manufacturing & Engineering Capabilities

Maxer Photonics integrates advanced manufacturing technologies, precision assembly and rigorous testing to deliver high-performance photonic products with exceptional reliability and repeatability.

R&D Engineers
15+
Experienced specialists in photonics and electronics

Precision Equipment
30+
Advanced machines test instruments

Quality Control
100%
All products tested and verified before shipment

Production
Scalable
From prototype to small and medium volume production

Optical Assembly
High-precision fiber alignment, splicing. collimation and packaging in controlled environments

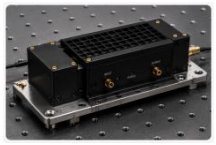
Precision Electronics
nigh-performance analog and digital electronic boards for photonic systems

Optical Packaging
Custom optical packaging solutions for laser diodes SLEDs, detectors and integrated photonic modules.

Optical Assembly
Comprehensive optical and electrical testing with advanced measurement and characterization equipment.

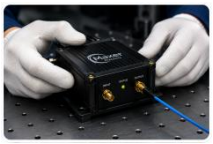
Fiber Processing
Fiber cutting .stripping .cleaving polishing and terminated connectorization with high repeatability.

Thermal Stabilization
Advanced thermal management design and testing to ensure long-term stability of optical performance.



OEM Design & Integration
System-level integration and custom engineering to meet specific application requirements.

Quality Assurance
Strict quality control processes ,traceability and documentation in every stage of production.



Clean & Controlled Environment

Our production and assembly areas are maintained under controlled conditions to ensure maximum cleanliness, stability and product performance.

Why Partner with Maxer Photonics?

- **Advanced Technology**
- **High Reliability & Performance**
- **Quality You Can Trust**
- **Long-Term Partnership**
- **Global Support**

Engineering precision photonic solutions for a smarter, healthier and more connected world.

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Contact Us

Let's Build the Future of Photonics Together

Whether you are developing a next-generation optical system, looking for a reliable OEM partner ,or searching for high-performance photonic solutions, our engineering team is ready to support your project from concept to production.

HEADQUARTERS
Maxer Photonics, S.L.
Parque Tecnologico de Alava (BIC Araba)
Vitoria-Gasteiz
Basque Country
Spain

EMAIL
info@maxerphotonics.com

PHONE
+34605216498

WEBSITE
www.maxerphotonics.com

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Engineering Precision.
WHY WORK WITH US?

Maxer Photonics develops advanced photonictechnologies for industrial, scientific,biomedical,and optical communication applications.

OUR EXPERTISE

- Broadband SLED Sources
- High-Stability Optical Sources
- Optical Measurement Systems
- Optical Test Equipment
- UV Curing Systems
- OEM Photonic Development
- Custom Optical Engineering
- Fiber Optic Components

European Engineering | **Designed & Manufactured in Spain** | **Custom OEM Solutions** | **Rapid Prototyping** | **High Precision Manufacturing** | **Global Technical Support**

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