

## RESOLUTION SPECTRA SYSTEMS

Set up back in 2011, RESOLUTION Spectra Systems offers high resolution laser spectrum analyzers and wavelength meters in the VIS-NIR range (630-1100 nm). Those are ideal tools for characterizing pulsed and CW lasers and for sensing applications. Based on SWIFTSTM technology, these innovative instruments have unique features: compactness, high accuracy, speed and robust calibration.



[www.resolutionspectra.com](http://www.resolutionspectra.com)

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## TEEM PHOTONICS

Teem Photonics offers advanced Microlasers for OEM and Scientific applications from IR to Deep UV. Extremely rugged and cost effective, these products bring unique solutions for LIDAR, Instrumentation and sensing as well as materials processing applications. From earth sciences to biology, from security to marking, they have demonstrated an excellent reliability and lifetime over 60 khours in the IR and tens of thousands of hours at other wavelengths. The Single Longitudinal Modes versions combine short pulse duration with spectral purity.



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## Meet Minalogic members

on

LASER World of PHOTONICS



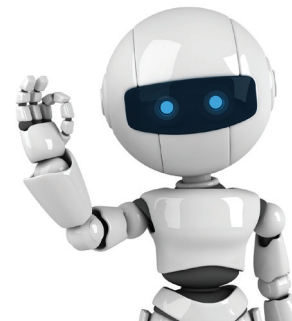
### MINALOGIC

**Global innovation cluster for digital technologies serving France's Auvergne-Rhône-Alpes region**

The cluster supports the region's leading innovators by facilitating networking, fostering collaborative R&D, and providing companies with personalized assistance throughout all phases of business growth. The products and services developed by our members address all industries, from ICT and healthcare to energy and advanced manufacturing.

[www.minalogic.com/en](http://www.minalogic.com/en)

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## CEDRAT TECHNOLOGIES

CEDRAT TECHNOLOGIES is an internationally recognized mechatronics specialist and manufacturer of piezo and magnetic actuators. We offer a wide range of standard products: amplified (APA®) pre-stressed piezo actuators, XY piezo stages, stepping motors, shutters, magnetic actuators, associated electronics and also customised products. We have a strong experience in developing compact dynamic & precise solutions for the optronics and photonics fields for demanding clients.



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## EVOSENS

EVOSENS is an engineering company, specialized in optics technology with skills in Electronics, mechanics and IT. Our mission is to develop, design, prototype and manufacture any customized system with optical technologies. Our design are present in the main markets as Medical, Industrial, Aeronautic, Defense, Environment... We work with laboratories, Start-ups, as well as big companies.



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We optimize existing products, design from specifications sheet or manufacture according to specific process developed by our clients. We also have a few own products mainly based on Liquid cristal technology as micro lens, fluorescence based high sensitivity, tunable and low cost Fabry Perot filter.nt

## IREIS

IREIS is the research and development entity of the HEF group (2000 people) based in France. HEF core activity is the surface engineering of materials. IREIS is a private laboratory and propose research contract services. To support this activity, a strong characterization platform is dedicated to surface analysis. Recently HEF group strengthen its development strategy in optical coating. IREIS optical coating developments last now for almost 20 years with for examples protected aluminum, gold, silver for large scientific instruments, flexible electrochromic devices, selective coating for solar thermal applications (thin films and diffraction gratings). Other projects include Thermochromics development at low temperature, research on photochromic materials using silver nanoparticles imbedded in TiO2 matrix.



VISITOR

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## MANUTECH

Manutech-USD is your S&T expert in the field of engineering and functionalization of surfaces with ultrashort lasers (fs, ns).

Manutech-USD brings you all solutions for surface texturing with ultrashort lasers and defines the adequate industrial and economical execution process.

Manutech-USD develops and runs unique tools, capable of producing surfaces at high-speed and characterizing them: 6 platforms including robotic arm and 3D hybride manufacturing coupling additive SLM with fs laser, 9 laser sources, 2 characterization platforms (wettability, topography, tribology) and SEM/FIB.

## PYXALIS

Pyxalis is a high-end custom CMOS image sensor supplier based in Grenoble, France. Founded in 2010, it addresses the most demanding field of imaging, ranging from automotive, aerospace, machine vision and consumer applications. With a staff of 28 people with more than 300 man years of experience, it offers excellent design capabilities complemented by a state of the Art design center and characterization laboratories. Beyond custom sensors, Pyxalis also offers semicustom platforms easy to modify that offer an excellent trade-off between full-customization of imagers, costs and time to market.



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## QIOVA

QIOVA specializes in laser marking and micromachining, and development of innovative laser processes and modules. QIOVA has long been the expert in industrial laser beam shaping.

QIOVA has developed a multidot laser head: VULQ1™. Protected by a portfolio of international patents, VULQ1™ may be used to turn a laser beam into a set of independent dots controlled spatially and dynamically.

Markets: luxury, pharmaceutical, aeronautic, food industry, currency, etc.

QIOVA unveils its new VULQ1™ range of multidot laser heads at LWOP Munich 2017.



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