

## PRESS RELEASE

### HORIBA SCIENTIFIC INTRODUCES NEW CLUE SERIES DETECTORS FOR SCANNING ELECTRON MICROSCOPES

**HORIBA CLUE Series offer a scalable platform for imaging and spectroscopic analysis of nano-objects with SEM and dual SEM/FIB (Focused Ion Beam) microscopes.**

Palaiseau, France, October 02<sup>th</sup>, 2017 – [HORIBA Scientific](http://www.horiba.com), global leader in spectroscopic analysis for over 40 years, is proud to announce the new HORIBA **CLUE Series detectors** for Scanning Electron Microscopes (SEM).

**HORIBA CLUE Series** include:

- **i-CLUE** fast Cathodo-Luminescence (CL) imaging system featuring a large field of view ellipsoidal collection mirror. Unique in the market, **i-CLUE is field upgradeable to a complete spectroscopy solution**, offering the analytical scientist a first step into high sensitivity CL detection at an affordable price.
- **F-CLUE** rugged imaging and hyperspectral CL solution is an easy upgrade on existing configurations. With its **ultra-compact design inside** (fully retractable mirror collection) **and outside** the specimen chamber and its fiber coupled spectrometer fits every customer having a microscope with a free horizontal port.
- **H-CLUE** imaging and hyperspectral CL solution features the best performance in the market by combining a **high quality parabolic mirror for DUV-VIS-NIR, direct optical coupling, and high resolution spectrometer**.
- **R-CLUE** combines **HORIBA expertise in Cathodoluminescence, Raman spectroscopy and Photoluminescence within one compact fiber coupled solution**.

SEM-CL helps discover the nature of **defects, structures, stress** at the nanoscale (<20nm spatial resolution), making it the ideal tool for novel nanomaterials characterization. **Designed for enhanced flexibility for multiple applications of zircons, phosphors and other minerals to semiconductor Nitrides, Thin Films solar cells, and 2D materials**, the HORIBA **CLUE Series** offers the **ultimate sensitivity** for your sample of interest.

HORIBA Scientific's expertise in **optics, detectors, vacuum technology and spectroscopy** provides every customer with accurate information on hardware and software, regardless of your sample type. **The HORIBA CLUE Series is already deployed in internationally recognized academic and industry research and quality control laboratories worldwide.**

The HORIBA CLUE Series come with on-site installation and training, technical support, and application support to help optimize your experiment.

For more information, click here <http://www.horiba.com/scientific/products/cathodoluminescence/>

## About HORIBA Scientific

HORIBA Scientific, part of HORIBA FRANCE SAS, headquartered in France, provides an extensive array of instruments and solutions for applications across a broad range of scientific R&D and QC measurements. HORIBA Scientific is a world leader in OEM Spectroscopy, elemental analysis, fluorescence (including the PTI brand), forensics, GDS, ICP, particle characterization, Raman, spectroscopic ellipsometry, sulphur-in-oil, water quality, SPRI and XRF. Our instruments are found in universities and industries around the world. Proven quality and trusted performance have established widespread confidence in the HORIBA Brand.

Building on a long tradition of pursuing innovative technology to advance scientific efforts, we have acquired renowned companies such as Société Générale d'Optique (1969), SPEX (1988), Dilor (1995), SOFIE (1996), Jobin Yvon (1997), IBH (2003), GenOptics (2009), and Photon Technology International (2014).

The HORIBA Group of worldwide companies, part of HORIBA, Ltd. headquartered in Kyoto, Japan, provides an extensive array of instruments and systems for applications ranging from automotive R&D, process and environmental monitoring, in-vitro medical diagnostics, semiconductor manufacturing and metrology, to a broad range of scientific R&D and QC measurements.

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