HORIBA SCIENTIFIC INTEGRATES AIST-NT'S SCANNING PROBE MICROSCOPY TECHNOLOGY

Raman capabilities now range from micro- to NanoRaman and provides entry into the SPM market

Palaiseau, France January 15th, 2017 After four years of successful cooperation with AIST-NT, HORIBA Scientific, a global leader in Raman spectroscopy for over 50 years, announced the acquisition of AIST-NT technology. This technology will **strengthen HORIBA's leadership in NanoRaman spectroscopy** by combining the most advanced scanning probe microscopes (SPM) with HORIBA's cutting-edge Raman technology.

AIST-NT is a provider of innovative integrated scanning systems for nanotechnology. AIST-NT solutions are based on a unique design of an Atomic Force Microscope (AFM), specifically developed to be integrated with optical spectroscopies. The combination of HORIBA's Raman spectrometers with AIST-NT SPM technology allows HORIBA to **offer academic research and industrial laboratories a range of integrated AFM-Raman systems with proven Tip Enhanced Raman Spectroscopy (TERS)** solutions for the identification of chemicals and materials at the nanoscale.

"The integration of the AIST-NT portfolio of proprietary solutions extends HORIBA's market leadership in NanoRaman and Nanospectroscopy. The additional capabilities, products, personnel and development resources of AIST-NT will allow us to offer to our customers an even more comprehensive **set of present and future Nano solutions**. It also provides HORIBA Scientific immediate entry into the AFM segment with a highly competitive and differentiated AFM/Raman spectroscopy offering," commented James Thepot, Corporate Officer and President of HORIBA FRANCE SAS.

"For the first time, this integration in new hybrid solutions that marries AIST-NT's SPM to HORIBA's Raman solutions will provide a complete NanoRaman solution for our customers. These now range from the detector to the gratings, from the spectrometer to the AFM, fully manufactured by a single instrumentation company. HORIBA Scientific is focused on developing products and solutions that our customers can rely on. With this unequalled level of integration, we now can offer **direct access to the best-in-class NanoRaman analyses**," according to Marc Chaigneau, Product Manager at HORIBA Scientific.

This type of synergistic opportunity is part of an active HORIBA development initiative, with the ultimate goal of having a more significant impact on the large field of nanomaterials and nanotechnologies.

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About AIST-NT

AIST-NT is headquartered in Novato, CA.

With over 15 years experience in combined AFM/SPM/Raman spectroscopy, AIST-NT leverages its progressive R&D and Engineering in photonics and nanotechnology to provide cutting-edge integrated spectroscopy and SPM solutions to the scientific community and to OEM applications.

About HORIBA Scientific

HORIBA Scientific, part of HORIBA Instruments, Inc., headquartered in the United States, 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).

HORIBA Scientific

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.