



Bruker Introduces Innovative High-Performance Systems and High-Value Analytical Solutions at Pittcon 2015

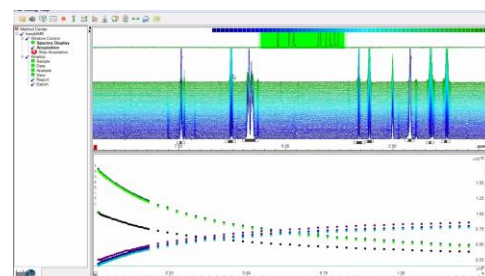
NEW ORLEANS, Louisiana – March 9, 2015 – This week, Bruker (NASDAQ: BRKR) is show-casing a selection of innovative and exciting products and solutions at Pittcon 2015 (www.pittcon.org), with an emphasis on pharma and applied markets, quality control, as well as nano-analysis and cell biology:

Applied and Pharmaceutical Markets

BRAVO: This next-generation, hand-held Raman spectrometer with patented fluorescence mitigation SSE™ (Sequentially Shifted Excitation) now enables measurements of a wider range of raw materials, compared to first-generation systems. Specifically designed for the pharmaceutical industry, BRAVO's intuitive user interface and touchscreen provide a superior guided workflow. BRAVO features Duo-LASER™ excitation with two wavelengths, resulting in high sensitivity across a large spectral range. Additional features include automated wavenumber calibration for precise measurements and automated measuring tip recognition, IntelliTip™, which ensures that the proper measuring tip is used. BRAVO is certified as a Class 1M laser product for all measurement modes, making training and operations easier and safer. [More...](#)



InsightMR™: This new software for online NMR analysis of chemical processes enables the adjustment of experimental parameters based on real-time data during the analysis. InsightMR is built on Bruker's flagship NMR software TopSpin®, providing seamless integration with Bruker NMR systems. InsightMR's user friendly interface allows both expert and non-expert users to set up, monitor and adjust key experimental parameters. As a result, the software is an excellent solution for both industrial and academic scientists studying and optimizing organic reactions. InsightMR has already proven successful with the first installation at Pfizer Inc., Connecticut, USA, where it has been used to apply NMR to on-line reaction monitoring to solve real chemical questions within the drug development pipeline. [More...](#)



D8 ENDEAVOR™: The new D8 ENDEAVOR is an advanced X-Ray Diffraction (XRD) system offering high performance for process and quality control. It combines accuracy with superior analysis speed, and is equipped with the latest LYNXEYE XE™ detector addressing the requirements of process and quality control in the aluminum, cement, geology, mining, pharmaceutical, and pigment industries by enabling short measurement times while maintaining excellent sensitivity. The new D8 ENDEAVOR is





easy to operate either in standalone or automation-integrated mode, or by a touchscreen interface by non-expert operators. The sample handling of the D8 ENDEAVOR offers high flexibility and reliability, as various sample types can be loaded automatically via conveyor belt or robot, one-by-one or with a multi-position tray. [More...](#)

S2 PUMA™: With this new bench-top, energy-dispersive X-ray fluorescence (EDXRF) spectrometer for quantitative elemental analysis, Bruker introduces HighSense™ technology for EDXRF. Low detection limits and short measurement times are achieved using a higher power X-ray tube. Best-in-class detection of light elements is realized by the combination of optimized excitation, detection and the economical vacuum mode. High sample throughput of loose or pressed powders, solids or liquids is supported with either the EasyLoad™ sample tray, or via the automation load port. Irregular or large samples are accommodated by the large sample chamber version. TouchControl™ makes operation of S2 PUMA easy and intuitive. The new S2 PUMA matches the needs of industrial customers in minerals and mining, cement production, metals processing, and petro-chemistry as well as research laboratories. [More...](#)



New ONET Software for Administration of FT-NIR Spectrometer Networks:

ONET is a server application accessed via a browser-based web interface (WebUI), allowing users to set up, administer and control a network of FT-NIR instruments from a central location anywhere in the world. ONET enables mid- and large-size companies to utilize high performance FT-NIR technology without needing to compromise on ease of use for routine operators. ONET supports the connection of LIMS to the central database and is available in English, Chinese, French, German and Spanish. ONET has been successfully implemented at multiple international companies managing more than 100 NIR spectrometers, not only for calibration, instrument and operator management, but also for data management and data security. [More...](#)

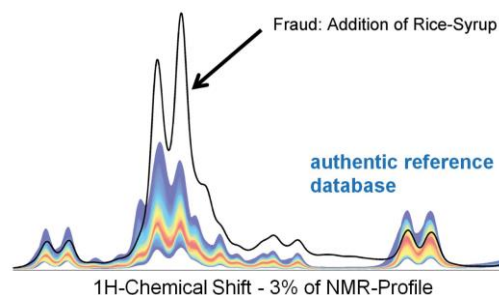


Toothpaste Analyzer: The new Toothpaste Analyzer is based on Bruker's proven TD-NMR *minispec*™ product line and provides a turnkey solution for the quantification of fluoride content in toothpaste and mouthwash. The quantification is crucial to prevent health risks caused by elevated levels of fluoride. Bruker's Toothpaste Analyzer achieves high accuracy and reproducibility in half the measurement time compared to other commercial TD-NMR instruments and delivers the most cost-efficient solution. The 21 CFR part 11 software and automatic sample changer support maximum efficiency and compliance. [More...](#)

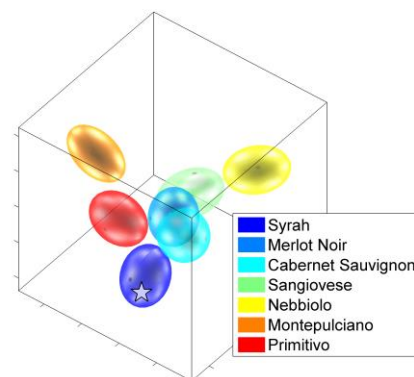


Food Safety & Quality

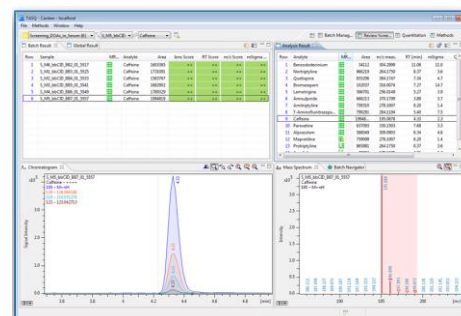
NMR Honey Profiling: This new NMR screening solution specifically designed for the analysis of honey is the most recent module of Bruker's well-established **FoodScreener™** product line. The solution delivers targeted and non-targeted analysis to simultaneously identify and quantify a multitude of honey characteristics, including sugar, acid and amino acid content, as well as detecting frauds such as the addition of different types of syrup or other sugar solutions. The inherent ease of use allows non-expert users to conduct analyses from measurement to final report in minutes and without chromatography. The NMR database developed for honey screening contains thousands of authentic samples with worldwide coverage in collaboration with Quality Services International and ALNuMed. [More...](#)



NMR Wine Profiling: This substantially enhanced second-generation module of the **FoodScreener™** for wine profiling allows easy and cost-efficient NMR-based wine analysis, now for the first time also for key regions in France, Italy and Spain. In addition to geographical origin, NMR Wine Profiling can determine further key authenticity parameters such as grape variety, vintage year and possible water addition. This comprehensive solution offers a quick, fully automated and cost-efficient tool to ensure wine quality and authenticity, protecting brand integrity and consumer confidence. [More...](#)



New TASQ 1.0 and Pacer 2.0 High-Throughput Mass Spectrometry Quantification Software: These powerful software packages allow users to easily screen, identify, confirm and quantify hundreds of compounds in a single experiment. The result is significantly increased throughput and confidence for routine applications in the food, environmental and forensic market areas. The Bruker TASQ™ software (Target Analysis for Screening and Quantitation) is specifically designed to exploit high resolution, accurate-mass data generated by Bruker QTOF mass spectrometers to confidently screen for trace residues in complex matrices. The menu driven, quick start wizard guides users through screening and quantitative workflows, while the interactive multi-pane viewer allows simultaneous viewing of all the qualitative and quantitative data. [More...](#)





Nanoanalysis, Microscopy & Advanced Materials Research

UMT TriboLab™ Mechanical Tester: The UMT TriboLab utilizes a universal base that can be equipped with a range of drive modules to allow multiple, different tribology tests to be performed easily on a single platform, offering higher speeds, more torque, and better force measurement than any of its predecessors. Within minutes, the platform can be transformed from rotary to reciprocating motion, from sub-newton to kilonewton force measurement, or from room temperature up to 1000°C for environmental testing. [More...](#)



NanoForce™ Nanomechanical Testing System: Bruker's NanoForce Nanomechanical Testing System offers the very latest technology in nanomechanical characterization. It leverages ultra-low load capability, dynamic testing, and AFM imaging as standard elements, and it provides closed-loop control to maximize experiment-design parameters. NanoForce enables true nanomechanical testing capabilities that go far beyond nanoindentation, enabling real innovation in material science on a wide range of specimen geometries, including thin films, nanostructures, MEMS and various device components. [More...](#)



BioScope Resolve™ BioAFM: The new BioScope Resolve features the highest resolution imaging and most complete cell mechanics capabilities available for use with an inverted optical microscope-based AFM. The system incorporates Bruker's proprietary PeakForce Tapping® technology to enable AFM researchers to achieve both the highest resolution imaging and piconewton level force measurements on biological samples. The system also provides real-time correlation of atomic force microscopy and optical microscopy data sets to provide unique insights into life sciences research. [More...](#)



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Frank H. Laukien, Ph.D., President and CEO of Bruker Corporation, commented: "The opportunities in the analytical sciences continue to change, and I am proud that as a major manufacturer of high-performance instrumentation Bruker is delivering strong contributions to high-value analysis solutions, as well as for research. Bruker continues its 'Innovation with Integrity' tradition, and at Pittcon 2015, we are focussing on new high-value analytical solutions that meet specific market needs."



About Bruker Corporation

For more than 50 years, Bruker has enabled scientists to make breakthrough discoveries and develop new applications that improve the quality of human life. Bruker's high-performance scientific research instruments and high-value analytical solutions enable scientists to explore life and materials at molecular, cellular and microscopic levels.

In close cooperation with our customers, Bruker is enabling innovation, productivity and customer success in life science molecular research, in applied and pharma applications, in microscopy, nano-analysis and industrial applications, as well as in cell biology, preclinical imaging, clinical research, microbiology and molecular diagnostics. For more information, please visit: <http://www.bruker.com>.

Please join us at Bruker's Pittcon Booth #2027 and #4101 throughout the conference, and at our Pittcon press conference on Tuesday, March 10, 2015, at 12:00 noon to 1:15 pm CT at the New Orleans Downtown Marriott at the Convention Center - Blaine Kern Ballroom (lunch served, [by registration only](#)).

For more information on Bruker at Pittcon 2015, please visit www.bruker.com/pittcon

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