Bruker Launches new *timsMRMS* Mass Spectrometry Platform for Unique Ultra-Complex Mixture Applications in the Energy Industry

SAN DIEGO, California— June 2nd, 2026 – At ASMS, Bruker Corporation (Nasdaq: BRKR) announced the launch of the new **timsMRMS** system, designed to empower researchers in petroleomics, sustainable fuels and advanced energy storage. The timsMRMS is an innovative platform that combines Trapped Ion Mobility Spectrometry (TIMS) with extreme-resolution Magnetic Resonance Mass Spectrometry (MRMS), to unravel the complex molecular makeup of challenging fossil fuels and green energy materials. It accomplishes this with unparalleled mass resolution (>10M) and sub-parts-per-million mass accuracy, plus isotope fine structure identification-confirmation, which enables the most confident identification of molecular species in ultra-complex mixtures.

As the global transition to more renewable energy accelerates, researchers face the challenge of analyzing ultra-high chemical complexity. The timsMRMS offers unprecedented capabilities for two vital areas in energy technology—renewable energy and energy storage.

- **Next-Gen Lithium Batteries:** The timsMRMS enables ultra-high-confidence molecular characterization of electrolyte formulations, solid-electrolyte interphase (SEI) degradation, and molecular changes during charge-discharge cycles of lithium-ion batteries. This allows materials scientists to better understand and control the chemical mechanisms that dictate battery lifespan, safety, and energy density.
- **Advanced Bio-oils & Biofuels:** By providing ultra-high-resolution clarity into molecular formulae determination and compound classes, the timsMRMS empowers researchers to address the chemical diversity of pyrolysis and biomass-derived oils, streamlining the development of sustainable, low-carbon transportation fuels.

“Many application areas in energy research present extreme levels of chemical diversity that are incredibly challenging. This has necessitated new analytical capabilities that go beyond traditional LC-MS limits,” said Dr. Paul Speir, Senior Vice President, Global MRMS Business with Bruker. “With the timsMRMS, we are equipping energy researchers with a complete unique tool that provides greater clarity and confidence in characterizing the extreme chemical complexity of next-generation batteries and alternative fuels.”

About Bruker Corporation – Leader of the Post-Genomic Era (Nasdaq: BRKR)

Bruker is enabling scientists and engineers to make breakthrough post-genomic discoveries and develop new applications that improve the quality of human life. Bruker’s high-performance scientific instruments and high value analytical and diagnostic solutions enable scientists to explore life and materials at molecular, cellular, and microscopic levels. In close cooperation with our customers, Bruker is enabling innovation, improved productivity, and customer success in post-genomic life science molecular and cell biology research, in applied and biopharma applications, in microscopy and nanoanalysis, as well as in industrial and cleantech research, and next-gen semiconductor metrology in support of AI. Bruker offers differentiated, high-value life science and diagnostics systems and solutions in preclinical imaging, clinical phenomics research, proteomics and multiomics, spatial and single-cell biology, functional structural and condensate biology, as well as in clinical microbiology and molecular diagnostics. For more information, please visit www.bruker.com.

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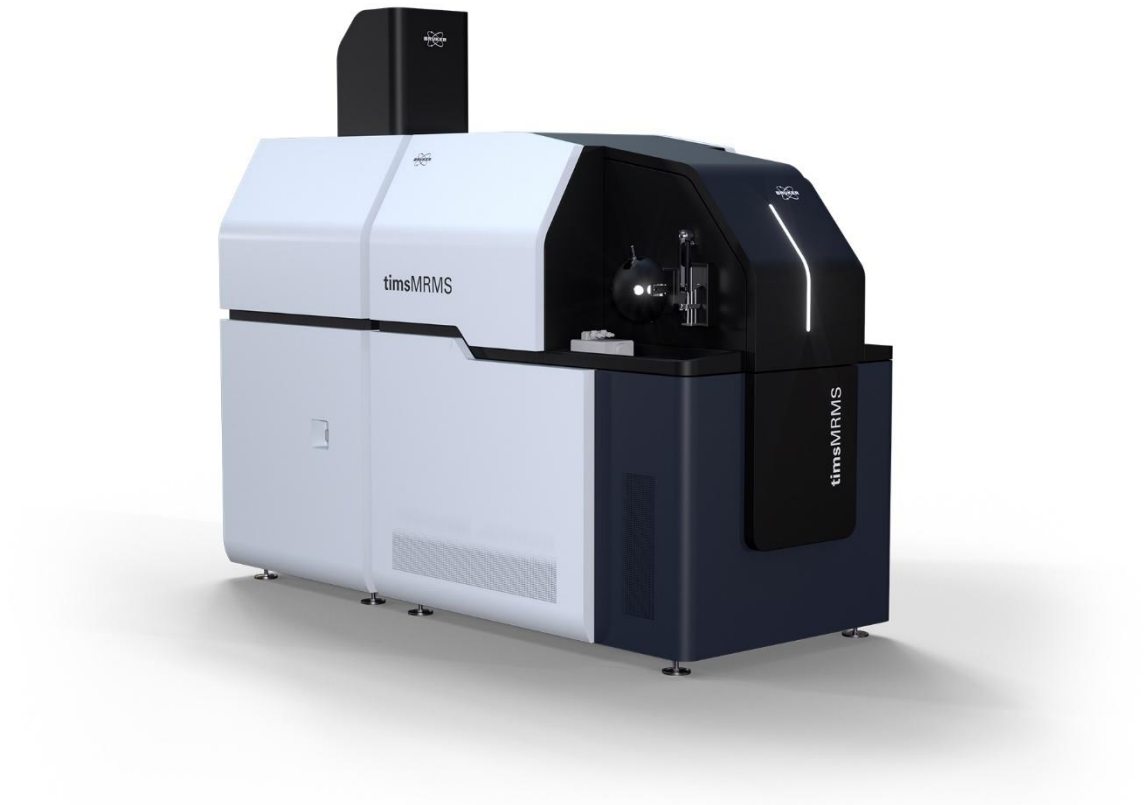

The new timsMRMS system, empowering researchers in petroleomics, sustainable fuels and advanced energy storage