

Bruker introduces MALDI-2 source on TimsTOF Flex

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September 2020—Bruker announced an advance in matrix-assisted laser desorption ionization with the launch of its MALDI-2 post-ionization (PI) source, now available as an option on the TimsTOF Flex ESI/MALDI mass spectrometer.

The MALDI-2 technology can offer one or two orders of magnitude higher sensitivity for many small molecules and lipids, Bruker said. MALDI-2 increases the applications range of MALDI mass spectrometry and imaging even further.

Bruker launched additional TIMS/PASEF-enabled 4D proteomics methods that leverage the large-scale, real-time availability of accurate collision cross sections (CCS) for thousands of measured peptides per 4D nanoLC-CCS-MS/MS run.

MALDI-2 requires a second laser (266 nm) fired orthogonally into the expanding MALDI plume generated by Bruker's primary SmartBeam 3D (355 nm) laser. An optimized FlexMatrix formulation is recommended for MALDI-2. The new MALDI-2 source is available as an option on the TimsTOF Flex ESI/MALDI instrument.

[Bruker](#), 978-663-3660



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