

Spectrus Processor Competitive Comparison

Capability	Spectrus Processor	Third-Party Analytical Data Software*	Instrument Vendor Software
Primary focus	Routine data analysis across a variety of experiments and techniques	Primarily 1D and 2D NMR processing	Instrument control and data acquisition
Unified multi-technique data processing	Process NMR, MS, chromatography, IR, and more ✓	Process NMR, MS, chromatography, IR, and more; plug-ins may be needed	Often focused on a single technique
Vendor neutral	Works with data from all major instrument vendors ✓	Often vendor-neutral, but compatibility and depth vary	Limited to own ecosystem
Structure verification	Provides quantitative feedback on proposed structures and assignments ✓	Sometimes available, but a plug-in may be needed	Vendor and technique dependent
Integrated chemical structure	Enables real-time assignment of atoms to spectral peaks ✓	Partial	Limited
One-click, multi-technique reports	Generate clear, multi-technique, publication-ready reports ✓	Partial; not always one-click	Unlikely to be multi-technique
Database search capabilities	Identify known structures from internal libraries and commercial spectral databases ✓	Sometimes available, but a plug-in may be needed	Vendor dependent
Structured AI-ready data	AI/ML-ready data ✓	Some	Often raw data only (limited processing, no analysis)
Best suited for	Organic, synthetic, and medicinal chemists who use a variety of analytical techniques for structure verification in R&D organizations across industry and academia	Synthetic chemists who primarily process NMR and LC/GC-MS data	Hardware control and data acquisition

* Complementary to Spectrus Processor