



## CHEMICALS

# The Fourier 80 Benchtop NMR for Chemical Analysis

Compact and Efficient NMR Solutions for the Chemical Industry

Innovation with Integrity

### Driving Advancements in Chemical Manufacturing and Analysis

The Fourier 80 NMR spectrometer is providing an easy-to-deploy benchtop solution that enhances production efficiency and delivers high-resolution data for precise identification and quantification of chemical compounds.

From research and development to quality control, and from easy to complex chemical mixtures, the Fourier 80 is providing tailored solutions for chemical innovation and analysis in different environments.



### All-in-One Benchtop NMR Solution

- 80-MHz high-performance, high-resolution and cryogen-free permanent magnet
- Compact design with minimal infrastructure requirements for every lab
- Adjustable Sample Temperature and Reaction Monitoring for optimal reaction conditions and superior NMR performance
- Advanced Chemical Profiling software solution module for automated data acquisition, interpretation and report generation
- Tailored push-button solutions to resolve new analytical questions with unparalleled precision

Scan the QR Code to learn more



## Redefining The Future of Chemicals

The Fourier 80 benchtop NMR is helping chemical manufacturers and laboratories quickly adapt to new regulations, increasing competition, and changes in the supply chain. It is the go-to benchtop solution for chemical compound analysis and automated mixture monitoring, supporting the industrial development of new chemical processes and the optimization of existing ones.



## Exceptional Accuracy in Chemical Analysis

- Integrated solutions for the comprehensive analysis of diverse chemical products and substances
- Quantitative NMR technology without need for substance-specific reference material or calibration
- High-performance for structure verification, reaction monitoring, and process control
- Expand your product portfolio by implementing new chemical production processes
- Optimize your analysis process, saving time and resources while maintaining high accuracy

## Expand Capabilities for Chemical Innovation

- Leverage a state-of-the-art NMR technology for scientific progress and industrial success
- Enhance the structural and compositional analysis of raw materials, from small molecule fine chemicals to polymers
- Ensure productivity and efficiency in chemical research and development
- Accelerate synthesis steps and create high-quality final products

## Streamline Your Workflow From Monitoring to Digital Reporting

The Fourier 80 helps you optimize chemical processes and seamlessly identify multiple compounds in a chemical mixture with a single measurement. It is maximized for production flexibility and designed for use by both trained or new professionals.

With the Fourier 80, you can generate detailed reports that identify and quantify constituents in raw materials, process intermediates, or product formulations, enabling continuous production monitoring.

The Fourier 80 is a compact and efficient solution for chemical analysis, providing exceptional sensitivity, specificity, and quantitative analytical capabilities. It delivers high-quality data from your chemical analysis, offering exceptional precision and ease of use in industrial settings.

Bruker BioSpin is continually improving its products and reserves the right to change specifications without notice.  
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