

## Portable FT-IR Spectrometers

Mobility Series Fourier Transform Infrared (FT-IR) spectrometers have been built to move FT-IR spectroscopy out of the conventional analytical laboratory and closer to the source of the sample. There are three systems: the MLp, the ML, and the MLx. These portable units are suitable for rugged environments and can be operated with little to no training, making them real-time process monitoring tools for the petrochemical industry, lubrication condition monitoring, food analysis, and mining applications. Featuring an intuitive operating system and easy-to-use sample interface, they provide users with actionable information so that decisions can be made on the spot. They incorporate two diamond-based sampling systems, one utilizing the principle of internal reflection and the other featuring a new type of transmission cell. With these two systems, a broad range of liquids, solids, oils, gels, and pastes can be analyzed.

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