



The Agilent FTIR Family

Take the lab to your sample



Shown from top to bottom: 4300 handheld FTIR, Agilent 4500 series portable FTIR, Agilent 5500 FTIR and the Agilent Cary 630 FTIR

In the lab, in the field. We take you further.

Whether the sampling point is on an oil platform, in a museum, on the factory floor, or in the lab, Agilent offers the right product for your needs. Our FTIR instruments range from mobile systems for maximum flexibility through to bench-top instruments offering the highest analytical performance.

The 4300 Handheld FTIR, 4500, 5500 and Cary 630 FTIR are all built on the same compact, robust technology and utilize the same software. This ensures you can take quality measurements wherever you need them—simply choose the model that best suits your application.

Which FTIR is best for your application?

System	Industry	Examples
4300 Handheld FTIR Mobile, handheld, and nondestructive measurement of solids, liquids, pastes and gels	Aerospace, composites, coatings, art conservation, soils, materials	Non-destructively identify contamination on automotive or aircraft parts
4500 series Mobile, field measurement of solids and liquids	Energy, fuels, chemicals, QA/QC, incoming raw materials, at-site/at-line measurements, forensics, environmental	Measure fuel quality at a several different storage tanks or identify raw powdered materials in a truck at the loading dock
5500 Compact lab instrument for the routine, dedicated analysis of solids and liquids	Energy, fuels, chemicals, QA/QC, incoming raw materials	Identify raw powdered materials in a control room or office at the loading dock
Cary 630 Routine, entry level lab instrument for a variety of sample types or applications	QA/QC, academic, pharma, method development, chemicals, polymers	Run quantitative and identification methods on a variety of samples at a quality control lab

Mobile and handheld instruments

4300 handheld FTIR

The 4300 handheld FTIR is the first of its kind employing lightweight ergonomics, ease of use, ruggedness, and flexibility into one system. The 4300 weighs approximately 2 kg. Its light weight design and excellent ergonomics make it ideal for use in the field. A variety of sampling interfaces (diffuse reflectance, external reflectance, grazing angle, diamond ATR, ge ATR) allows the user to easily transition from one sample type to another while on the go. No alignment or adjustments are necessary. Sample types typically include infrared absorbing and scattering surfaces, reflective metal surfaces with coatings and films as well as analysis of bulk materials including powders and granules.



4300 Handheld FTIR

4500 series portable FTIR

The Agilent 4500 series of portable FTIR analyzers provides onsite identification and quantitation of liquids and free flowing powders. The 4500 series feature a self contained battery and are run by a handheld computer. The 4500 series use a dedicated sample interface for easy field deployment. Several interfaces are available, including ATR for identification, multi-reflection ATR for liquid measurement, and the proprietary TumbIR and DialPath interfaces for quantitative measurements on liquids. The 4500 series are ideal for proactive maintenance programs of high value equipment and machinery in construction and power production industries.



4500 Series Portable FTIR

Dedicated instruments

5500 FTIR

The Agilent 5500 bench top FTIR is designed for routine, dedicated analytical use, and provides accurate, fast results. Offering robust performance in a compact design, the 5500 is ideal for QA/QC labs, control rooms and loading docks. The intuitive MicroLab Software requires minimal training, and offers both sample identification and quantitation. The 5500 is available in a variety of configurations including ATR, multireflection ATR, TumbIR, and DialPath.



5500 Series FTIR

Laboratory instruments

Cary 630 FTIR

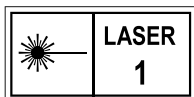
The Agilent Cary 630 provides quantitative and qualitative information for routine analysis of solids, liquids, and gases. Built on the same technology as Agilent mobile products, the Cary 630 is innovative, intuitive and reliable. In contrast to the 5500 FTIR, the Cary 630 offers greater sampling flexibility with a wide variety of interchangeable modules. Users can change sampling techniques from solids (ATR), liquids (ATR, DialPath, TumbIR), to gases (transmission w/gas cell). The Cary 630 offers flexibility, performance and robustness for routine QA/QC labs and other multiuser, high traffic environments.



Cary 630 FTIR

For more information visit the Agilent website at:

www.agilent.com/en/products/ftir



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