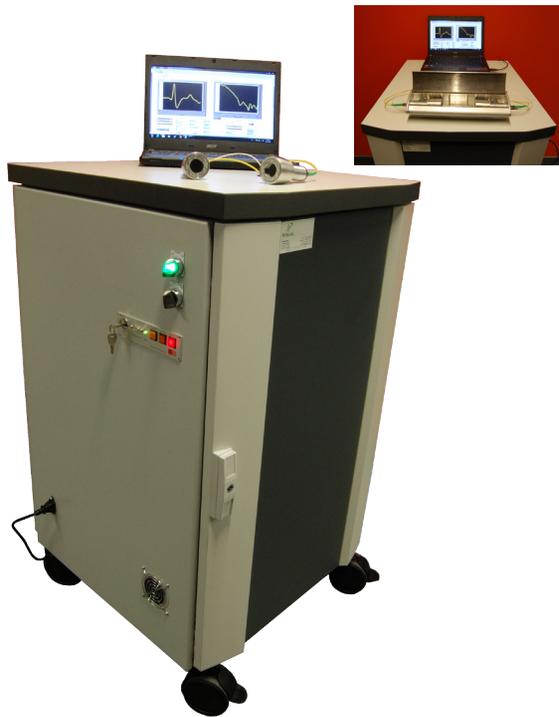


TeTechS Rigel 1550 Terahertz Spectrometer

Rigel™ 1550 Terahertz Spectrometer

The TeTechS Rigel 1550 terahertz spectrometer is portable, modular, compact, fast, and reconfigurable for analysis of solids, liquids, powders, and gases. With its revolutionary fiber coupled THz sensor technology, Rigel 1550 provides higher performance and flexibility than the state of the art in terahertz systems, allowing better discrimination, less complex signal analysis, and enabling applications which cannot be robustly achieved with previous spectrometry technology.



Applications

- Material characterization
- Material sensing
- Non-destructive test
- Terahertz spectroscopy
- Hidden object detection
- Product inspection
- Manufacturing quality control
- Material identification, such as: plastics; pulp and paper; gels organic powders; adhesives
- Thickness measurement and uniformity analysis
- Coating and thin film analysis
- Additives analysis
- Electronic chip fault analysis

Key Features

- Modular, fast, reconfigurable, compact, and portable
- Fiber coupled and movable transmitter and receiver heads
- High speed scan
- Built-in data acquisition, data processing, and data display software
- Adjustable scan speed, scan range, and averaging time
- Transmission, reflection, and attenuated total reflection measurement modules
- Turn-key and easy to operate
- Nitrogen purge option
- Intuitive user interface

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