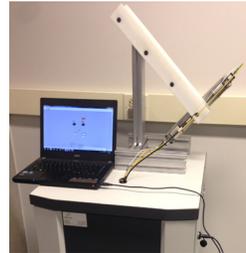


TeTechS Rigel 1550 versus FTIR Spectrometers



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 terahertz 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

Feature/Specification	FTIR	Rigel 1550
Compact, Modular, and Fast	✓	✓
Tests Solids/Liquids/Gases	✓	✓
Transmission/Reflection/ATR Test	✓	✓
Interchangeable Accessories	✓	✓
Permanently Aligned Optics	✓	✓
Intera-molecular Spectral Response	✓	
Real-time Measurement		✓
Hidden Objects/Features Imaging		✓
Reconfigurable Around Sample		✓
Inter-molecular Spectral Response		✓
Amplitude & Phase Measurement		✓
Compatible to Automation Lines		✓
Time-of-Flight 3D Imaging		✓
Time-Domain Pulse Measurement		✓

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