

WOE Newsletter Mar 2017

This issue will share with you about Frequency comb and Tetrahertz.

Frequency Comb - New Product!

Smartcomb



Product Release **SmartComb** Optical Frequency Comb

- One-box compact 19" 3U unit including electronics and optics
- As easy to use as a wavelength meter
- Fully automated with control and data acquisition analysis software
- 24/7, built for use outside the optics lab

NEW wavelengths now at 633 nm, 780nm and 1064 nm

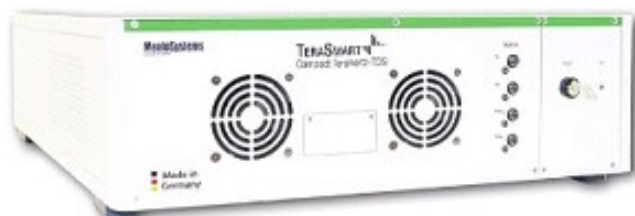
APPLICATIONS

- High Precision CW Laser Stabilization
- Calibration of Lasers
- Length Metrology
- Cold Atoms and Ions
- LIDAR

For datasheet, [CLICK HERE](#)

Tetrahertz - New Product!

TetraSmart



Product Release **TetraSmart** THz Spectrometer

- Most compact fiber coupled THz-TDS system
- Modular, industry-proven design
- OEM integration

Remote control and high-speed data transfer over Ethernet connection

APPLICATIONS

- Inline Thickness Measurements
- Time Resolved THz Spectroscopy
- Material Characterization
- Non-Destructive Testing (NDT)
- Forensic Paint Analysis

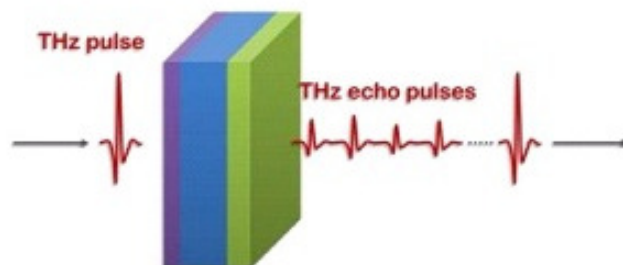
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THz Spectrometer



- High-speed fiber coupled THz-TDS system
- > 1 kHz data acquisition rate
- Up to 10 ns scanning range
- Highest spectral resolution

ImageLab THz Software - New!



- Hyperspectral imaging software
- THz image pre-processing and improvement to raw data
- Statistical image analysis and classification
- Combination with a conventional photograph into an image stack

APPLICATIONS

- Time-resolved THz Spectroscopy in Transmission Geometry
- Investigation of Sub-100 μm Samples, up to Several mm Thickness
- Characterization of unknown Layers in a Multilayer System
- Inaccessible Samples, eg. in a Cryostat

For datasheet, [CLICK HERE](#)