

# THz Product Overview

## System Selection Guide

Being an expert for femtosecond fiber lasers and stabilization technology, Menlo Systems integrates the proprietary and patented Menlo figure 9<sup>®</sup> technology lasers into its THz systems for highest reliability and robustness. All THz-TDS systems use fiber-coupled THz emitters and detectors, and are complete and ready-to-use turnkey solutions, including the scanning devices, system electronics, THz antennas and optics, PC and spectrometer software. A smart TCP socket interface allows platform-independent remote control over ethernet connections for seamless integration in existing experiments and industrial environments. Various add-ons, e.g. for THz imaging, reflection measurements, or in-depth data analysis, are available. Custom fiber lengths to THz emitter and THz detector are available upon request. Moreover, multi-branch configurations are possible, enabling simultaneous measurements of several emitter/detector pairs using only one fs fiber laser oscillator. For an overview over the available extensions, see the product sites or contact our THz expert.

### Installation and User Training

Our THz experts perform system installation and user training in the customers' lab, offering personalized consulting on specific applications, both for scientific and industrial customers.

### Quality Made in Germany

Our systems are designed and manufactured in Germany. Each system undergoes a full qualification and is calibrated prior to shipment to guarantee best performance.

### Compact

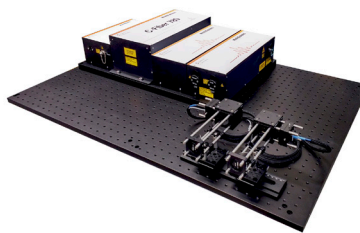
**Product:** TeraSmart



- Compact 19" rack solution
- Industry-proven fs fiber laser
- Industry-proven mechanical delay line
- Highest bandwidth and dynamic range

### Versatile

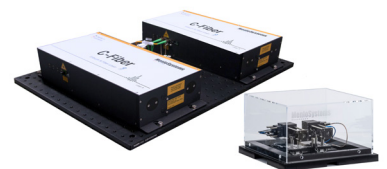
**Product:** TERA K15



- Scientific laser platform
- Multicolor laser outputs
- Synchronizable laser source
- Modular configuration
- Highest bandwidth and dynamic range

### Fast

**Product:** TERA ASOPS



- Highest speed and flexibility
- Electrical delay
- Highest scan range
- Multicolor laser outputs
- Synchronizable laser source

