

# BlueCut

## High Energy Industrial Femtosecond Laser 1030 nm



The BlueCut is an industrial-grade micro-Joule femtosecond fiber laser system. Based on all-fiber integrated technology, this is an inherently robust and stable system, which comes in a sealed package designed for OEM integration. The system is maintenance free and easily field serviceable, ensuring maximum up-time demanded by both industrial and scientific applications. The high repetition rates available from the BlueCut combined with its high average power and superior beam quality allow for high throughput and increased efficiency for a fast return-on-invest.

**MenloSystems**

### KEY SPECIFICATIONS

- Wavelength 1030 nm / 515 nm
- Pulse Energy: >10  $\mu$ J
- Average Power >10 W
- Pulse Duration: < 400 fs
- Burst Mode

### APPLICATIONS

- Micro Material Processing
  - Waveguide Writing
  - Semiconductors
  - Organic Materials
  - Solarcells
- Biomedical Applications in
  - Life Science
  - Ophthalmology
  - Multi-Photon Microscopy
- Scientific Applications
  - Seeding of Solid State Amplifiers
  - Nonlinear Frequency Conversion

### FEATURES

- Single Shot to 10 MHz
- Air Cooled
- All-Fiber Technology
- Compact Design for OEM Integration
- Robust and Stable
- Maintenance Free
- Remote Control

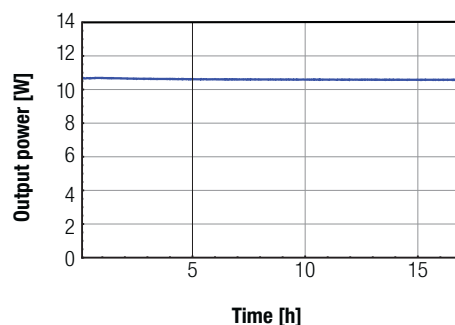
### OPTIONS

- **SHG**  
Frequency doubling to 515 nm
- Inquire about options for OEM integration

### PERFORMANCE DATA

#### Amplitude noise

< 1 % rms (over 12 h)



#### Reproducibility

Identical and consistent laser performance

