

FiberLAST

Nano Series Fiber Lasers

The FLAST-nano series nanosecond pulsed ytterbium fiber lasers are designed and produced by FiberLAST own proprietary.

FiberLAST's all-fiber lasers represent the state-of-the art in fiber laser technology and are constantly being improved through close cooperation with university based research groups. The FLAST-nano diode pumped laser delivers a diffraction limited laser beam.

FLAST-nano series lasers are housed in a robust package that meets industrial standards and provide maintenance free and reliable long life operation.



KEY FEATURES

- Proprietary design
- Up to 8 kW optical peak power
- Independently tunable parameters for wide range of operations
- Compact rugged package
- Customer oriented solutions
- Air cooled
- OEM solutions

APPLICATIONS

- Marking
- Engraving
- Cutting
- Material processing
- Micromachining
- Solar cell scribing and processing
- Medical applications
- Others

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Nano Series Fiber Lasers

| PARAMETER | UNIT | FLAST-nano-5W | FLAST-nano-8W | FLAST-nano-16W (NEW) |
|-----------------------------------|------|----------------------|---------------|-------------------------|
| Laser Type | | Yb doped fiber laser | | |
| Mode of Operation | | pulsed | | |
| Center Wavelength | nm | 1064±1 | | |
| Bandwidth (FWHM) | nm | 5 | | |
| Average Power | W | 5 | 8 | 16 |
| Pulse Width ¹ | ns | 70 - 120 | | |
| Repetition Rate ¹ | kHz | 10 - 100 | 15 - 100 | 35 - 100 |
| Peak Power | kW | 8 | | |
| Pulse Energy | mJ | 0.5 | | |
| Beam Quality M ² | | < 1.2 | | |
| Polarisation | | random | | |
| Output ² | | isobeam collimator | | |
| Output Beam Diameter ³ | mm | 8 | | |

1 - can be individually controlled, independent from each other

2 - optionally collimator without isolator is available

3 - optional beam diameter is available

All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind FiberLAST only if it is specifically incorporated into the terms and conditions of a sales agreement. Caution: use of controls, adjustments and procedures other than those specified may result in hazardous laser radiation exposure.

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