

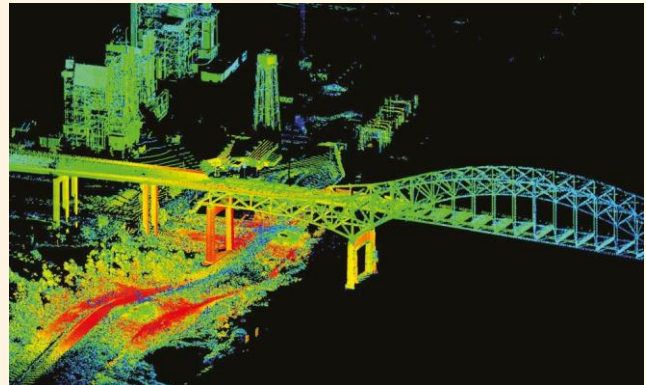
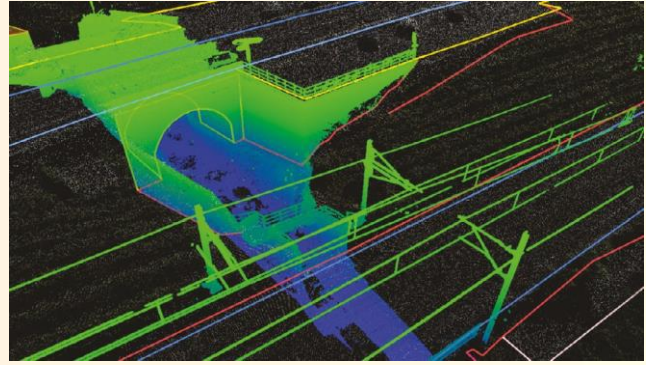
Innovative Technology, Proprietary Design

Fiber Laser (LIDAR) Nanosecond Pulsed Erbium (1,5 μm)

This fiber laser device is an indigenous product from FiberLAST producing nanosecond pulses with high peak power and high beam quality. It utilizes the MOPA architecture which allows the modulation of both the output signal and the pump, so it offers high performance and flexible usage. The device has end-to-end fiber design, making it reliable against environmental conditions and can operate in high frequencies. It has MIL-STD-810G and MIL-STD-461 certification and eye safe features. With its air-cooled structure, it is much lighter and more compact than its counterparts. It is used primarily in the Defense Industry, scientific applications, medical industry applications, industrial applications, and Telecommunication sector.

Applications

- LIDAR & LADAR
- Distance detection (LRF)
- Obstacle detection
- 3D scanning
- 3D Topography extraction / Mapping
- Spectroscopy
- Lighting
- Blunting
- Mixing
- Target detection
- Remote sensing
- Micro machining
- Atmospheric profile analysis
- Cloud motion detection



Properties

- High peak power
- High beam quality
- Signal and pulse modulation
- 24/7 operation
- Compliance with military standards
- Compatibility with cold and hot environments
- Eye Safe
- Air cooling
- Kompakt ve hafif tasarım
- Compact and lightweight design

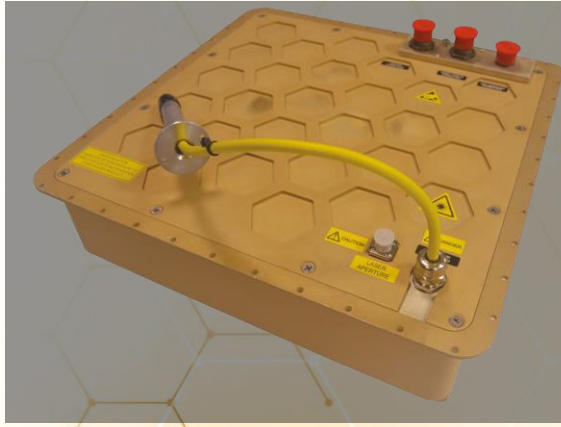
FiberLAST Fiber Lazer Sistemleri ve Teknolojileri A.Ş.

Merkez: ODTÜ Teknokent Galyum Blok Z-3, 06800 Çankaya-Ankara/ Türkiye

Şube: Mustafa Kemal Mah. Dumlupınar Blv. 280/D-E Blok E-2, METU Teknokent, 06530 Çankaya-Ankara/Türkiye

Tel +90 312 205 59 29 Fax +90 312 210 15 95 E-mail info@fiberlast.com.tr

www.fiberlast.com.tr



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OPTICAL PROPERTIES

LASER	FIBER LASER
LASER MODE	PULSED
CENTER WAVELENGTH	1550 \pm 10 NM
PULSE LENGTH	7,0 \pm 3,0 NS
REPEAT FREQUENCY	30 - 60 \pm 0,1 KHZ
PEAK POWER	\geq 20 KW
SHOOTING FORM	COLIMATOR (1,0 \pm 0,1 MRAD)

ELECTRICAL PROPERTIES

POWER CONSUMPTION	\leq 200 W
WORKING VOLTAGE	28 \pm 2 VDC

MECHANICAL PROPERTIES

DIMENSION	324 X 324 X 114 MM
WEIGHT	\leq 7.0 KG

ENVIRONMENTAL CONDITIONS

OPERATING TEMPERATURE	-40 TO +55 °C
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OTHER PROPERTIES

MIL-STD-810G	COMPATIBLE
MIL-STD-461F	COMPATIBLE

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Tel +90 312 205 59 29 **Fax** +90 312 210 15 95 **E-mail** info@fiberlast.com.tr

www.fiberlast.com.tr