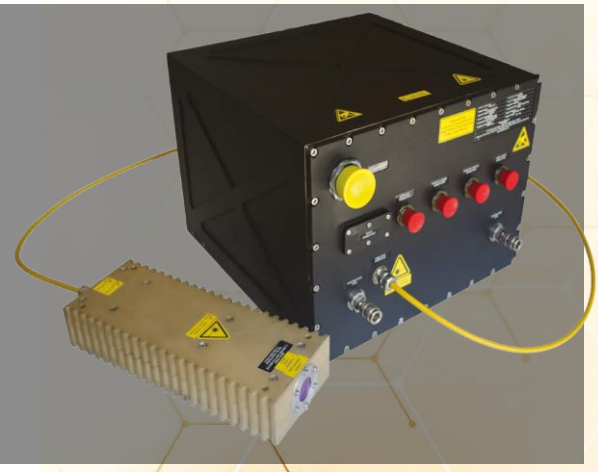
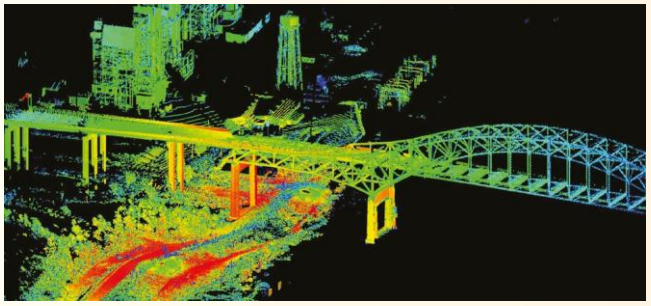


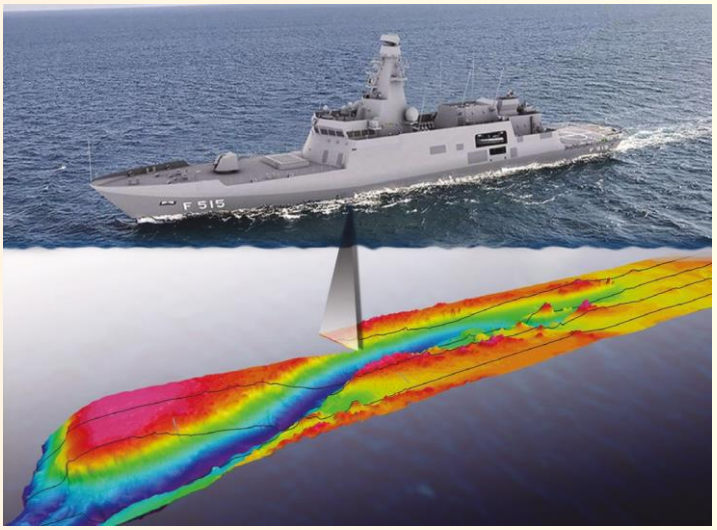
FiberLAST®

Innovative Technology, Proprietary Design

Fiber Laser
Continuous & Pulsed Laser (1.5 µm)

This Fiber Laser is an indigenous development of FiberLAST. It is a laser source with high power stability and can operate either in pulse mode or continuous mode. The wavelength of its output is 1.550 or 1.560 nm. The output power can go up to 35 Watts in CW mode, 32 Watts in pulse mode. The device has a wide repetition frequency range and produces pulses in the range of µsecs. It is an ideal laser source for scientific applications and Defense Industry. The device confirms to the standards MIL-STD-810G and MIL-STD-461.





Properties

- High power stability
- High beam quality
- Eye safe
- Compliance with military standards
- Compatibility with cold and hot environments
- High resistance to vibration and shock
- EMI, EMC resistance
- Water cooling

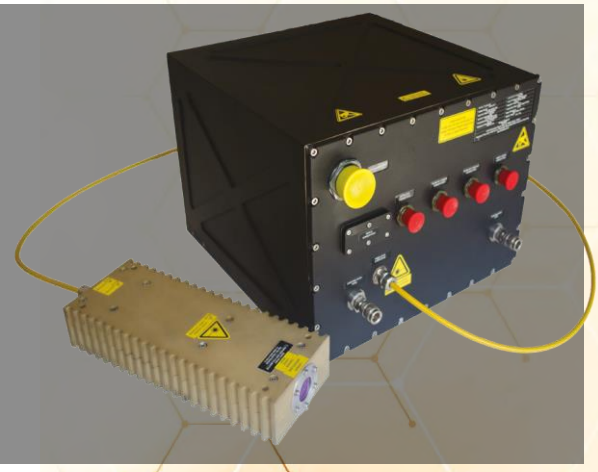
Applications

- LIDAR & LADAR
- Obstacle detection
- 3D scanning
- 3D Topography extraction / Mapping
- Measuring distance
- Lighting
- Blunting
- Mixing
- Target detection
- Laser spectroscopy
- District heating applications

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



FiberLAST®

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Fiber Laser
Continuous & Pulsed Laser (1.5 µm)

OPTICAL PROPERTIES		
LASER	FIBER LASER	
LASER MODE	CW	MICROSECOND PULSE
CENTER WAVELENGTH	1550 ± 10 NM	
PULSE LENGTH	10 - 100 µS	
REPEAT FREQUENCY	50 HZ - 10 KHZ	
AVERAGE POWER	≤ 35 W	DEPENDING ON PULSE WIDTH AND FREQUENCY
PEAK POWER	≤ 32 W (IN SHOOTING MODE)	
SHOOTING FORM	SQUARE WAVE	
BEAM DIAMETER	~ 6 MM	
SPECTRAL WIDTH	≤ 1 MHZ	

ELECTRICAL PROPERTIES	
WORKING VOLTAGE/CURRENT	28±2 VDC, 22±1 A

MECHANICAL PROPERTIES	
DIMENSION	400 X 400 X 250 MM
WEIGHT	24 ±1 KG

ENVIRONMENTAL CONDITIONS	
OPERATİNG TEMPERATURE	-20 ILA +40 °C

OTHER PROPERTIES	
MIL-STD-810	COMPATIBLE
MIL-STD-461	COMPATIBLE

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