

te lintelo systems bv  
photonics. our passion!

35 YEARS

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JENOPTIK

JenLas® fiber ns 50

High performance in marking and micromachining thanks to Jenoptik's flexible nanosecond fiber lasers.

SHARING EXCELLENCE

#### Applications

JenLas® fiber ns 50 is a class 4 OEM laser source for –

Marking

- Scribing
- Ablation
- Trimming
- Cutting
- Welding
- Drilling
- Metals, ceramics, silicon, synthetics etc...

#### Features

- Increased productivity: Constant application results, high volume manufacturing through selectable pulse waveforms
- Superior quality: Highly reliable components
- Greater flexibility: simple OEM integration
- Isolated optical output
- Low cost of ownership: maintenance free

# Air-cooled nanosecond fiber lasers

## JenLas® fiber ns 50 | Specifications

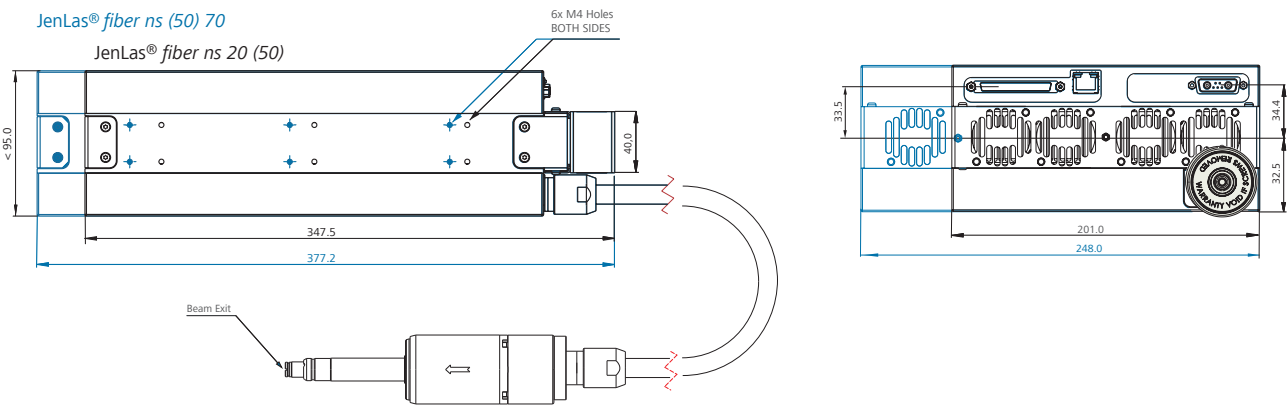
### JenLas® fiber ns

### 50 – Advanced single mode

Average power	> 50 W
Pulse rep. range	1 – 1000 kHz
Full power range	70 – 1000 kHz
Pulse width (FWHM)	10 – 240 ns <sup>2)</sup>
Pulse energy (max.)	> 0.7 mJ
Peak power (max.)	> 12 kW
Modulation range in cw	1 – 100 kHz
<sup>1)</sup> rep.rate dependent	
<sup>2)</sup> adjustable	
Center wavelength	1064 nm (± 3 nm)
Output power stability (typ.)	3 %
Beam quality (M <sup>2</sup> )	< 1.3
Beam delivery cable length	2 m
Polarisation	random
Fiber output	ILLK incl. optical isolator and optional collimator
Internal pilot laser	yes
* optional 5 m	
<b>Mechanical specifications</b>	
Size (L x W x H)	377.2 x 248.0 x 95.0 mm
Weight	~13 kg
<b>Operation temperature</b>	
Environment temp.	0 °C – 40 °C
<b>Electrical specifications</b>	
Laser head power supply	24 V / <16 A    24 V / <10 A
<b>Order code</b>	04040102722

### Accessories

- Beam collimators (F30, F50, F75, F100)
- Interface board



It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.



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INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
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