JENOPTIK

JenLas® *fiber ns 25 – 105*

High precision in industrial marking and micromachining thanks to Jenoptik's easy to use nanosecond fiber lasers.

SHARING EXCELLENCE

Applications

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

- Marking and scribing of metals, plastics, ceramics
- Laser cleaning of surfaces
- Generation of surface structures
- Trimming of resistors and PCB traces
- Cutting and drilling of thin foils
- Thin film ablation from transparent substrates

Features

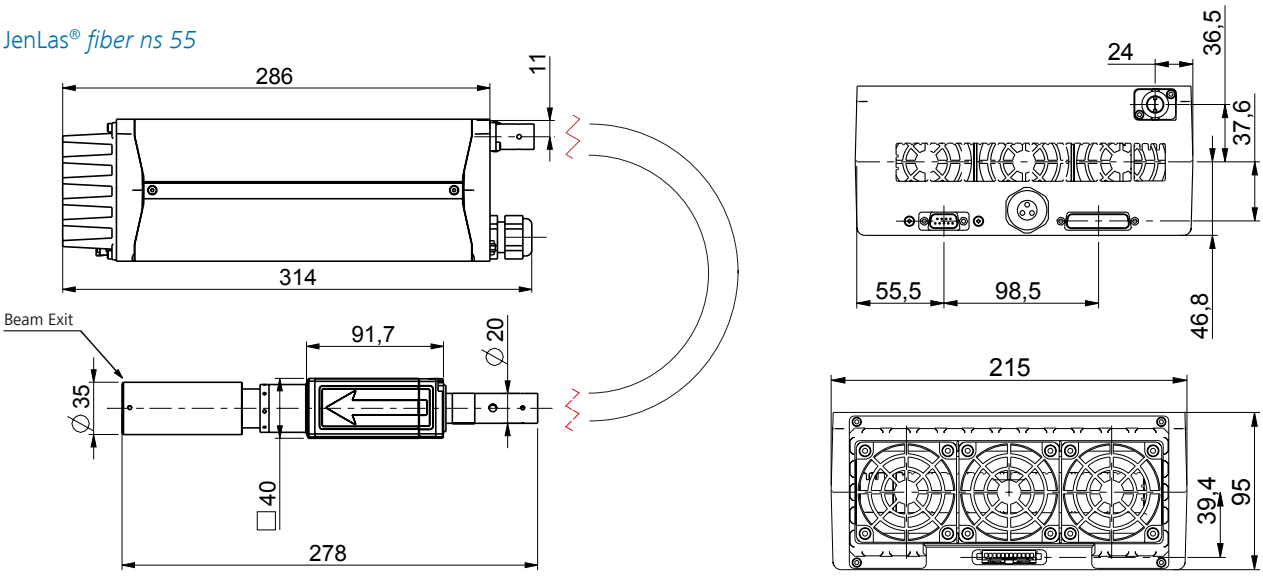
- Scalable power level from 20W to 100W
- Rugged industry-proved fiber laser technology
- Enhanced robustness against backreflection
- Designed for integration into industrial machines
- Complete control by software, hardwired or mixed
- Add-on parts from collimation optics up to complex optical solutions
- On-axis guiding laser

NEW

Air-cooled nanosecond fiber lasers
JenLas® *fiber ns 25 – 105* | Specifications

JenLas® *fiber ns*	*25*	*35*	*55*	*105*
Average power	20 W	30 W	55 W	100 W
Pulse rep. rate range	30 - 80 kHz	30 - 80 kHz	50-100 kHz	100-200 kHz
Pulse width (FWHM, typ.)		125 ns		150 ns
Pulse width (20%)		200-260 ns		220-250 ns
Pulse energy (max.)	0.7 mJ	1.0 mJ	1.1 mJ	1.0 mJ
Center wavelength (typ.)		1085 nm		
Output power stability (typ.)		2%		
Beam quality (M^2)		< 1.6		< 1.8
Beam delivery cable length		4 m		
Polarization		random		
Fiber output		fixed collimator output beam diameter Ø 3 mm or Ø 7 mm		
Internal pilot laser		yes		
Mechanical specifications				
Size (L x W x H)		286 x 215 x 95 mm		319 x 224 x 142 mm
Weight	6.3 kg	6.3 kg	6.4 kg	8.5 kg
Operation temperature				
Laser box		0 °C – 40 °C		
Laser head (output)		15 °C – 45 °C		
Cooling		forced air		
Electrical specifications				
Laser head power supply	24 V / 10 A	24 V / 12.4 A	24 V / 16.4 A	24 V / 2 A and 36 V / 13 A
Control interface		RS232, TTL		

JenLas® *fiber ns 55*



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
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT
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