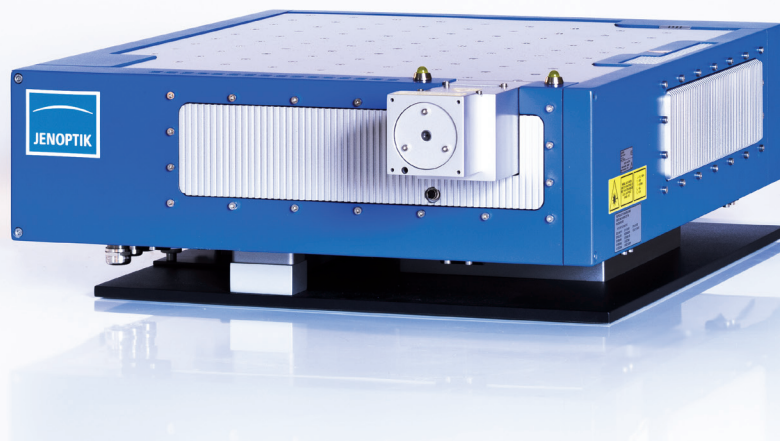




JenLas[®] D2.fs

Diode-Pumped Solid-State Femtosecond Laser



Features:

- OEM-design for integration
- Water- and air cooled version available
- High repetition rate (up to 200 kHz)
- High pulse energy (up to 40 μ J)
- Suitable for industrial use

Technology:

- Regenerative femtosecond amplifier
- Diode pumped
- Yb:KYW – thin disk technology

Applications:

- High precision micro machining (e.g. stents cutting)
- Thin film ablation
- Microsurgery
- Spectroscopy

JenLas® D2.fs

Diode-Pumped Solid-State Femtosecond Laser

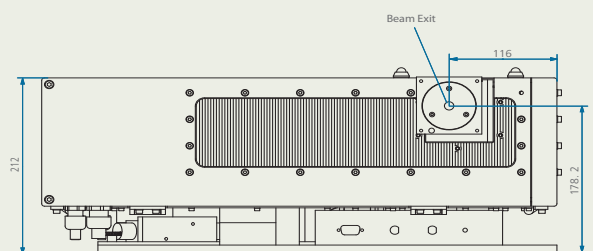
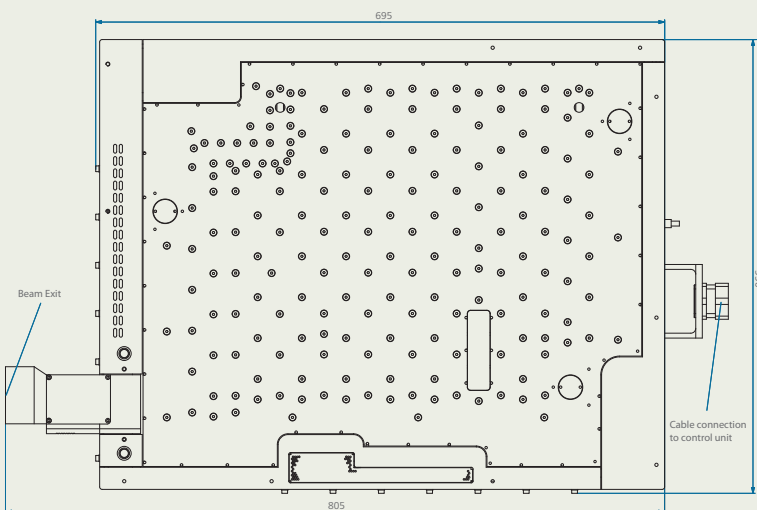
Specifications

Parameters	
Laser	Yb:KYW Thin-disk laser, diode-pumped
Laser class	4
Wavelength	1025 nm
Ambient temperature	15 °C ... 35 °C

Operation	
Output energy	40 µJ @ 100 kHz / 20 µJ @ 200 kHz
M ²	≤ 1.25
Pulse Repetition rate	30 – 200 kHz
Pulse length	< 400 fs

Electrical specifications	Control Unit	Chiller
Electrical input data	100 ... 240 V @ 50/60 Hz	100/115/208/230 V@ 50/60 Hz
Input power	max. 1.0 kVA	max. 2.3 kVA

Mechanical specifications	Laser head	Control Unit	Chiller
Dimensions (W x H x L)	695 mm x 550 mm x 212 mm	6 Unit x 19" x 600 mm	6 Unit x 19" x 653 mm
Weight	~ 65 kg	~ 20 kg	~ 42 kg



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



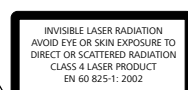
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