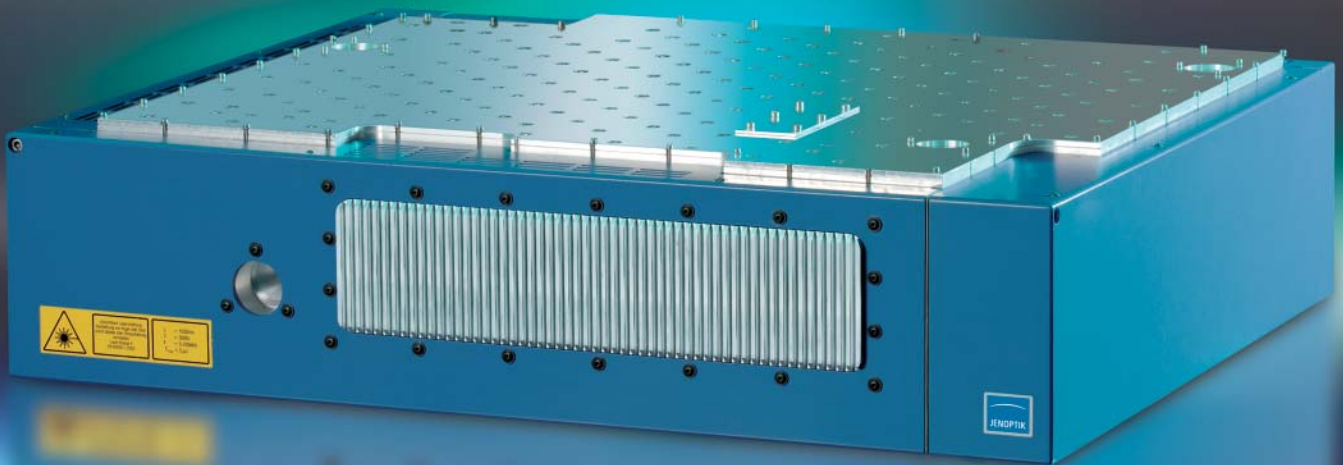




JenLas[®] D2.fs

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)

Technology:

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

Applications:

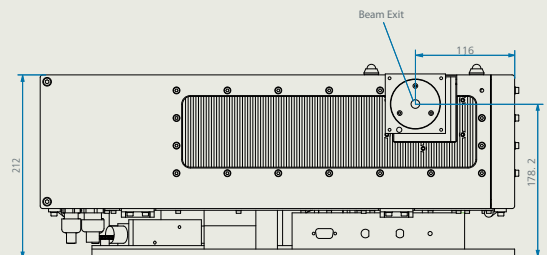
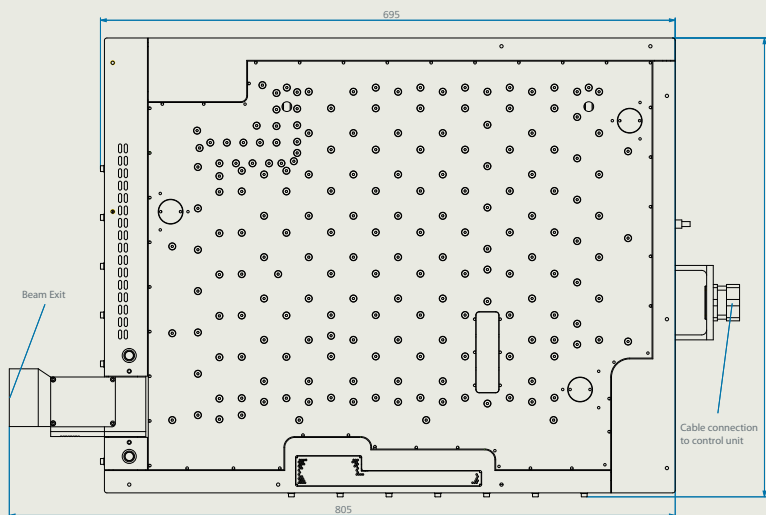
- High precision micro machining
- Microsurgery
- Spectroscopy
- Thin film ablation

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.



JENOPTIK | Lasers & Material Processing

JENOPTIK Laser GmbH

Goeschwitzer Strasse 29 | 07745 Jena | Germany

Phone: +49 3641 65-3053 | Fax: +49 3641 65-4011

E-mail: sales-laser.lm@jenoptik.com | www.jenoptik.com/solidstatelasers



01223C-005-99-14-1102