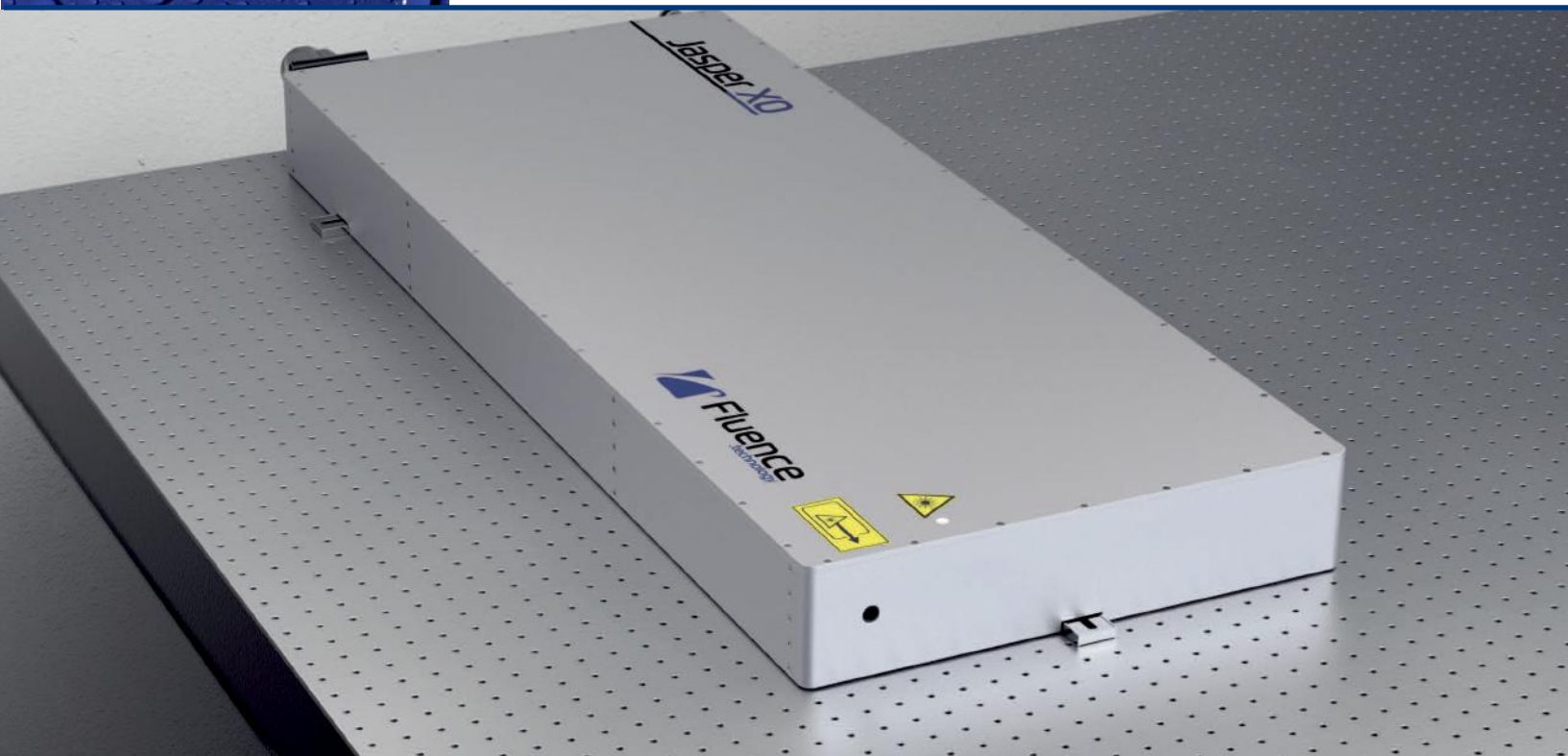


Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

Jasper XO

High Power Femtosecond Fiber Laser



JASPER is a 1030 nm high-power femtosecond fiber laser delivering up to 160 μ J at 20 W. With truly monolithic all-fiber front-end this laser provides fast warm-up time, unprecedented long-term stability and hands-free operation. Contrary to free space laser amplifiers, fiber amplifiers ensure unbeatable beam pointing stability even in harsh environment.

Technical specification:

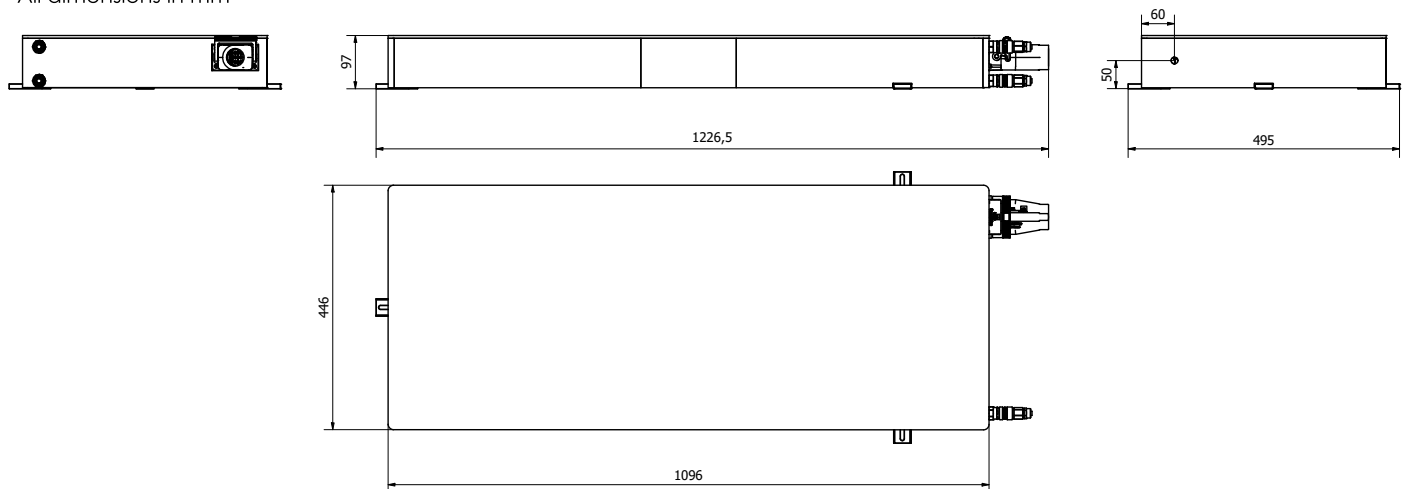
	Jasper 10	Jasper 20	Jasper 30	Jasper UltraPower
Maximum average power	>10 W	>20 W	>30 W	Custom up to 100 W
Maximum pulse energy	>50 µJ	>50 µJ	>100 µJ	Ask For Details
System base repetition rate	100 kHz - 25 MHz, selectable with control software			
Pulse duration	<290 fs (FWHM)			
Pulse duration tuning	Automated tuning option 290 fs - 20 ps available			
Central wavelength	1030 ± 5 nm			
Optional wavelength outputs	515 nm, 343 nm, 258 nm			
Built-in pulse picker	Pulse on demand, any division of the base repetition rate			
Beam quality M ²	<1.3			
Polarization	Linear, vertical			
External gating trigger	Included			
Laser control software	Included			

**Not exactly what you are looking for?
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Physical specification:

Size	1096 (L) x 446 (W) x 97 (H) mm ³
Power supply unit size	3U 19" rack unit: 485 (W) x 376 (D) x 132 (H) mm ³
Electrical	100-240 V AC, 50-60 Hz, <250 W
Operating temperature	15-35 °C
Operating humidity	Non-condensing
Chiller size	3U 19" rack unit: 485 (W) x 381 (D) x 132 (H) mm ³
Chiller electrical	100-240 V AC, 50-60 Hz, <10.0 A

All dimensions in mm



All specifications are subject to change without prior notice due to continuous improvements.