Preludio
by fibercryst

Preludio

Your solution for high-precision industrial applications

PRELUDIO laser is an innovative 50 W ultrafast laser, operating from 1 MHz up to 5 MHz (pulse duration ≤ 350 fs), dedicated to all your industrial applications.

The newborn of Fibercryst's products delivers outstanding performances on high precision processing like transparent material machining.

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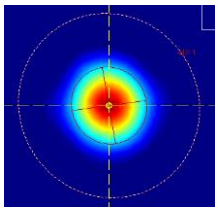
*Not binding pictures

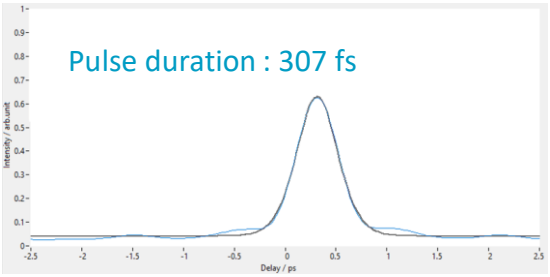
Specifications

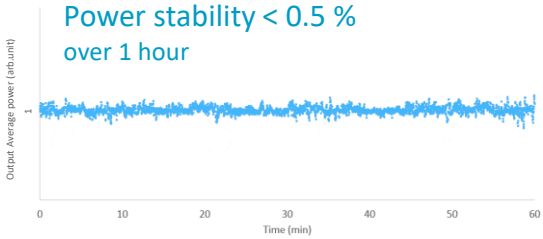
Performances	Preludio
Average Power[a]	50 W
Repetition Rate	from single shot to 5 MHz
Pulse Energy [b]	Up to 40 µJ
Power Stability [c]	< 0.5 % RMS
Pointing Stability [d]	< 10 µrad
Center wavelength	1030 nm ± 2
PER	> 20 dB
Polarization direction	vertical
Pulse duration	< 350 fs
Beam diameter [e]	2.5 mm
Beam divergence	< 1 mrad
Beam Ellipticity	≥ 0.90
Beam Quality (X/Y)	$M^2 \leq 1.2$
Warm-up time	< 30 min

(a) @2 MHz - (b) @1 MHz - (c) Over 1 h - (d) @20°C - (e) Other diameters upon request

Direct output beam profile







Characteristics	
Footprint (L x l x h)	53.1 x 51.5 x 17.1 cm
Weight	44 kg
Cooling	Water-cooled

Features

- Upon request

Programmable Burst

UV Conversion module

Highlights

PSO

Position Synch. Output

All-in-One Box

Fully integrated laser head with electronics

Do you want to jump into an ultrafast adventure?
Be our agent or distributor worldwide!

Please contact us at sales@fibercryst.com to share your interest in representing our products.

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sales@fibercryst.com