



نوران حسگر صبا

Nouran Heshgare Saba

سهامی خاص

لیزر فیبری فمتوثانیه

Corewave-YDFL1030



www.sabaphotonics.ir

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CoreWave's YDFL1030 is an innovative and competing product which provides the customer with ultra-short output pulses as short as 150 fs and output average powers up to 12 W at the central wavelength of 1030 nm and repetition rate of 50 MHz. This robust and compact femtosecond fiber laser system is a powerful laser machine which integrates the latest achievements in femtosecond technology into a commercial product (Supercontinuum Amplification). It is ideal for applications in ophthalmology, life sciences and precision micromachining. The laser is maintenance-free and ready to use at the press of a single button.

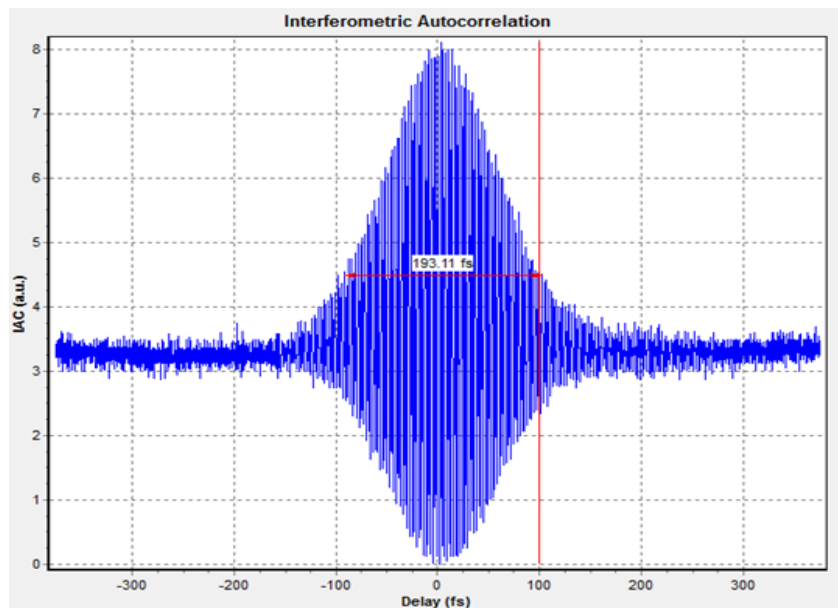
Features

- Up to 12 w Output Average Power
- 150 fs Pulse Width
- MOPA architecture
- Compact and Low Cost
- Industrial Performance
- Maintenance-Free
- Carry a 2-year Guarantee

Applications

- Supercontinuum Generation
- Material Processing
- Terahertz Generation
- Spectroscopy

Autocorrelation



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Technical Specification :

Central Wavelength	1030-1064 nm (Under the customer request)
Output Line width (FWHM)	25 nm
Output Average Power	≥ 12 W
Output Pulse Energy	≥ 230 nj
Output Pulse Width	≤ 150 fs
Repetition Rate	52 MHz (Under the customer request)
Polarization	Non polarized (Under the customer request)
Beam Quality (M2)	≤ 1.5
Operating Temperature	20 ~ 35 (C°)
Cooling	Air-cooled
Output Fiber	1 m Long SM Fiber
Operating Voltage	220 V @ 50 Hz
Power Consumption	≤ 40 W
Dimension (mm)	350×315×90 mm

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