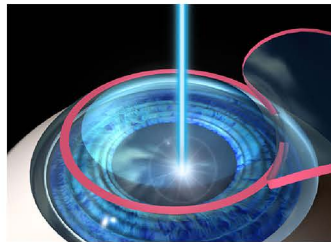


1030 nm Ultrafast Fiber Laser - Blade 1030 Femto

Blade Femto is a femtosecond fiber laser aiming for industrial applications. It is with pulse energy level of micro-joule. Pulse energy can be adjusted continuously as required, with pulse picker and pulse series output available, also support single pulse output.

Blade 1030 Femto is with maximum pulse energy of 5uJ, which is widely used in material micro-processing and biomedical applications.



Key Features :

- Single shot-5MHz
- Excellent beam quality
- Industrial reliable design
- Compact maintenance free

Applications :

- Biomedicine
- Time resolved fluorescence
- Laser ranging
- Supercontinuum generation

» Main Specification:

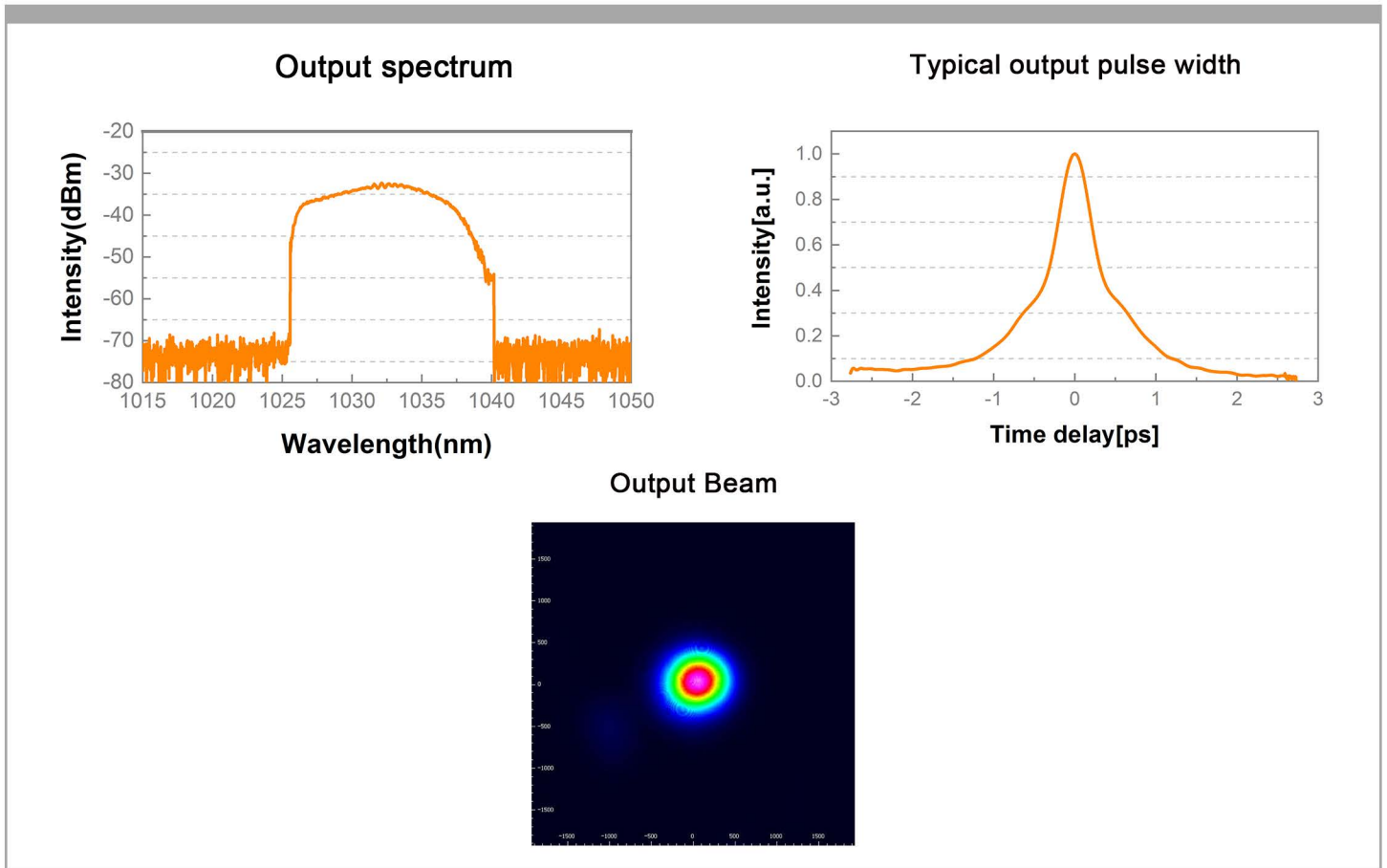
Laser Parameters

Operating Wavelength	nm	1030
Pulse Width (FWHM)	fs	<500
Repetition Rate	MHz	single shot-5MHz
Average Power	mW	>3 @1 MHz
Average Power Stability	% RMS	<1 (12h@25°C)
Single Pulse Energy	μJ	>5
Polarization Extinction Ratio	dB	>20
Beam Quality		TEM00, M²<1.3
Output Mode		Free-space

Electrical, Environmental and Mechanical Parameters

Power Consumption	Watt	<300
Trigger Signal		TTL
Supply Voltage	VAC	100-240(50Hz/60Hz)
Operational Temperature Range	°C	10-45
Operational Humidity Range	%	20~80 (non-condensing)
Storage Temperature Range	°C	0-50
Storage Humidity Range	%	20~80 (non-condensing)
Weight Laser Head	kg	30
Dimensions Laser Head	mm(L×W×H)	600×380×106;430×450×133
Cooling		Air-cooled

Test Data :



Machine Drawing

