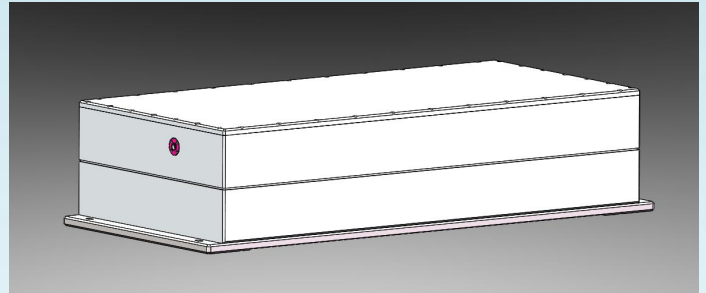


## High Power Femtosecond Laser

### ◆ Features

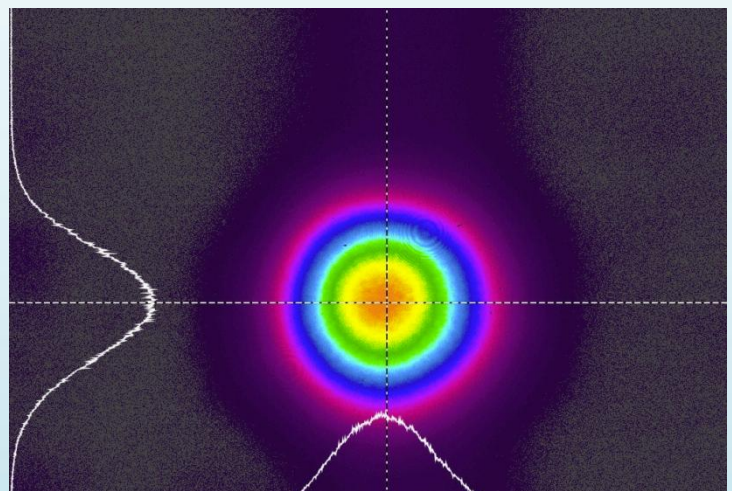
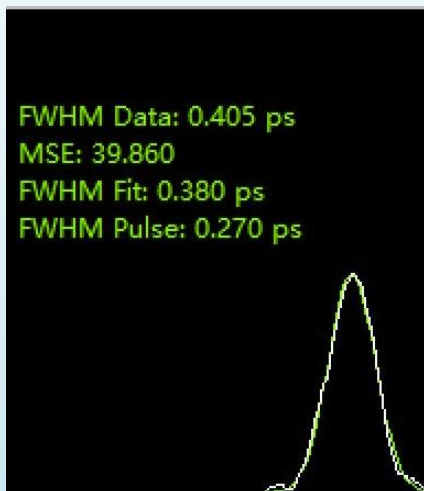
- ✧ Narrow Pulse Width(<300fs)
- ✧ High Repetition Rate
- ✧ High Output Power
- ✧ Good Beam quality



### ◆ Specifications

FS-Y-1030/ 515/ 343			
Wavelength (nm)	1030±5nm	515±5nm	343±5nm
Average power (W)	50W	20W	5W
Single pulse energy ( μ J)	50 (50 μ J @1MHz)	20 (20 μ J @1MHz)	5 (5 μ J @1MHz)
Rep. rate (MHz)	500kHz~2MHz		
Pulse duration (fs)	<300fs @1MHz		
Peak power (MW)	167 @1MHz	67 @1MHz	17 @1MHz
Ave power stability (over 4 hours)	<3%		
Transverse mode	TEM <sub>00</sub>		
Beam quality(M <sup>2</sup> )	<1.3		
Beam divergence, full angle (mrad)	<1.0	<3.0	<3.0
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3.0	~1.0	~1.0
Polarization ratio	>100:1		
Cooled method	Water cooled		
Operating temperature (°C)	15~30		
Power supply	220/110VAC		
Expected lifetime (hours)	10000		

### ◆ Testing Data



**CNI LASER: Complete Solution for Laser Technology!**



Founded in 1996, CNI (CHANGCHUN NEW INDUSTRIES), is the leading supplier of lasers, spectrometers, power meters and optical systems in China. CNI products are ISO-9001, CE, RoHS and JQA certified. CNI offers a diverse of products for a broad range of commercial and scientific applications.