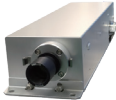
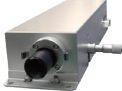


CW Lasers

Lineup	Frequad Series Deep-UV single frequency laser						
Product Image							
Model	Frequad-HP	Frequad-M	Frequad-Ni	Frequad-C	Frequad-M57	Frequad-W	Frequad-K
Wavelength	266 nm	266 nm	266 nm	266 nm	257 nm	213 nm	302 nm
Output Power	1 - 2 W	0.3 - 2 W	0.1 - 0.3 W	20 - 50 mW	0.3 - 1 W	10 - 20 mW	500 mW
Application		- Semiconductor inspection - Photoemission spectroscopy - UV microscope - UV Raman spectroscopy - FBG writing - Interferometry					Quantum applications
Features, Options, etc.	- Partial maintainance (UV unit, fundmental laser) is available - No water cooling	- Partial maintainance (UV unit, fundmental laser) is available - Water cooling	Water cooling	- Compact design - No purge air necessary - No water cooling	Water cooling	No water cooling	- Stable operation - Water cooling

CW Lasers

Lineup	FL-CW Series FBG type CW-PM fiber laser + Single pass frequency converter			
Product Image				
Model	FL-CW-FM	FL-CW-SHG	FL-CW-THG	FL-CW-3band
Wavelength	1064 nm	532 nm	355 nm	355•532•1064 nm
Output Power	5 - 20 W	3 W	30 mW	30•400•3000 mW
Application	- Solder welding - Optical tweezers - Frequency conversion	Particle inspection	- Bio analysis - Semiconductor inspection - Alternative to gas lasers	- Optical tweezers - Optical component inspection
Features, Options, etc.	- Customized wavelength (1040 to 1090 nm) - PM fiber output	Customized wavelength (520 to 545 nm)	- Customized wavelength (351 nm) - Customized beam diameter	- Simultaneous output of 3 wavelengths - Collinear output available

Pulsed Lasers

Lineup	QCW Deep-UV Quasi-CW laser			PEV Series VUV(11eV) laser	FL-PL Series Green/UV nanosecond portable laser		
Product Image							
Model	QCW266	QCW266	QCW193	PEV-H / PEV-L	FL-PL-SHG (FL-PL-SHGFM)	FL-PL-UV	FL-PL-DUV
Pulse Repetitio Rate	100 MHz	100 MHz	50±1 MHz	50 MHz / 0.5 - 5 MHz (preset)	50 kHz	50 kHz	50 kHz
Pulse Width	Picosecond (<50 ps)	Picosecond (27 ± 5 ps)	Picosecond (10 to 15 ps)	Picosecond	Nanosecond	Nanosecond	Nanosecond
Wavelength	266 nm	266 nm	193 nm	114 nm	532 nm (532•1064 nm)	355 nm	266 nm
Output Power (Average)	2 W, 3 W, 4 W, 6 W	8 W	200 mW	≥ 5 μW / ≥ 3 μW	500 mW (500 • 500 mW)	80 - 200 mW	100 mW
Application	- Semiconductor inspection - Nano Laser Fabrication	- Semiconductor inspection - Nano Laser Fabrication	- Semiconductor inspection - Photomask inspection	Photoemission spectroscopy (ARPES, TOF, etc.)	LiDAR (underwater, air, 3D-profiling)	- LiDAR (air) - Bioanalysis	- LiDAR (air) - Antibacterial
Features, Options, etc.	- High average power DUV - Water cooling	- High average power DUV - Water cooling	- High average power DUV - Water cooling	Microfocusing option available	Integration for drones and submarines	Integration for drones	Customization of beam diameter