

UVPower UVP355 & UVP266

High power UV ultrafast fiber lasers

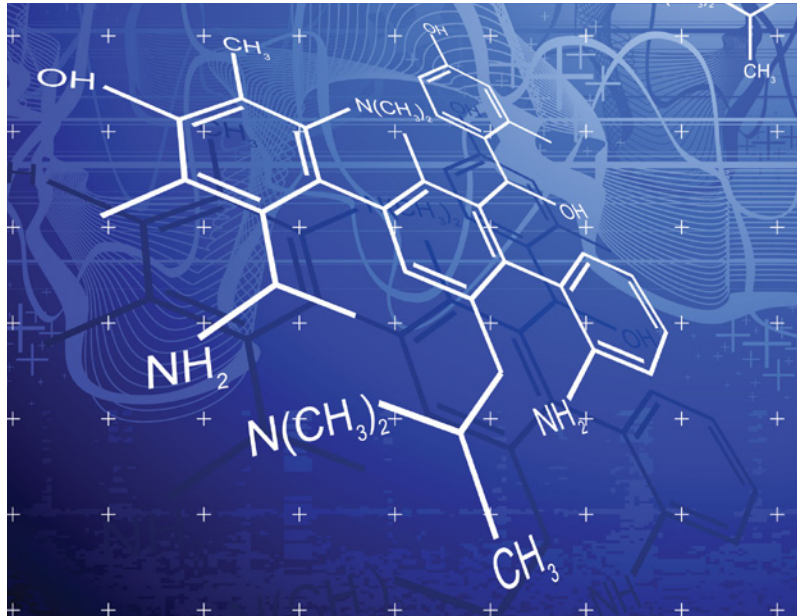


Key Features

- 266nm or 355nm operating wavelengths
- Up to 1W output power
- Quasi-CW repetition rates up to 100MHz
- Variable repetition rate version available
- Maintenance-free and air-cooled

Applications

- Semiconductor Inspection
- Flow Cytometry
- Medical and Industrial Imaging
- Metrology
- Fluorescence Microscopy
- UV uncaging



UV Fiber Lasers

The **UVPower** series of 355nm and 266nm lasers are based on Fianium's established and reliable FP1060 ultrafast fiber laser platform.

High efficiency Third Harmonic or Fourth Harmonic Generation is entirely integrated into a compact remote head, converting the 1064nm laser to UV wavelengths.

Flexible

Exceptional single-mode beam-quality, high average powers and class-leading performance enable the most demanding processes to be accomplished with this system.

Reliable

The systems are based on an inherently robust self-starting ultrafast fiber laser oscillator and high-power low noise fiber amplifier. They are air-cooled and require no user alignment or maintenance.

Standard Specifications

	355nm High-power Ultrafast Laser		266nm High-power Ultrafast Laser	
Model	UVP355-1	UVP355-0.25	UVP266-0.25	UVP266-0.1
Central Wavelength	355nm	355nm	266nm	266nm
Average Power	>1W	>250mW	>250mW	>100mW
Pulse Width	<15ps	<15ps	<15ps	<15ps
Repetition Rate	100MHz	40MHz	100MHz	100MHz
Amplitude Noise (RMS)	<±2%	<±2%	<±2%	<±2%
M-squared	<1.3	<1.3	<1.3	<1.3
Output Optic	Collimated	Collimated	Collimated	Collimated
Output Polarization	Linear	Linear	Linear	Linear
Cooling	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Power consumption (max)	<250W	<250W	<250W	<250W
Dimensions (WxLxH, mm)				
Laser Chassis	19" rack-mount	19" rack-mount	19" rack-mount	19" rack-mount
Remote Optical Head	220 x 360 x 130	220 x 360 x 130	220 x 360 x 130	220 x 360 x 130
Weight	<25kg	<25kg	<25kg	<25kg

Custom Options:

- Third and Fourth Harmonics of other wavelengths:
980nm, 1030nm, 1045nm & 1053nm
- Includes **244nm** wavelength option
- Fixed repetition rates from **20MHz to 400MHz**
- Variable repetition rates **100kHz to 20MHz**



**VISIBLE AND INVISIBLE
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT**

CAUTION: THIS IS A CLASS 4 LASER PRODUCT AND USE OF CONTROLS AND ADJUSTMENTS OTHER THAN THOSE SPECIFIED IN THE PRODUCT MANUAL MAY RESULT IN HAZARDOUS LASER RADIATION EXPOSURE

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