

Genius-UV/DUV Series

QCW UV/DUV picosecond laser



Genius-UV/DUV series QCW mode-locked ultrafast lasers have the characteristics of long service life, long-term power stability and easy control. The unique frequency doubling crystal automatic point change function can automatically change the crystal point according to the laser running time, effectively improve the lifetime of the frequency doubling crystal. It also contains APC function.

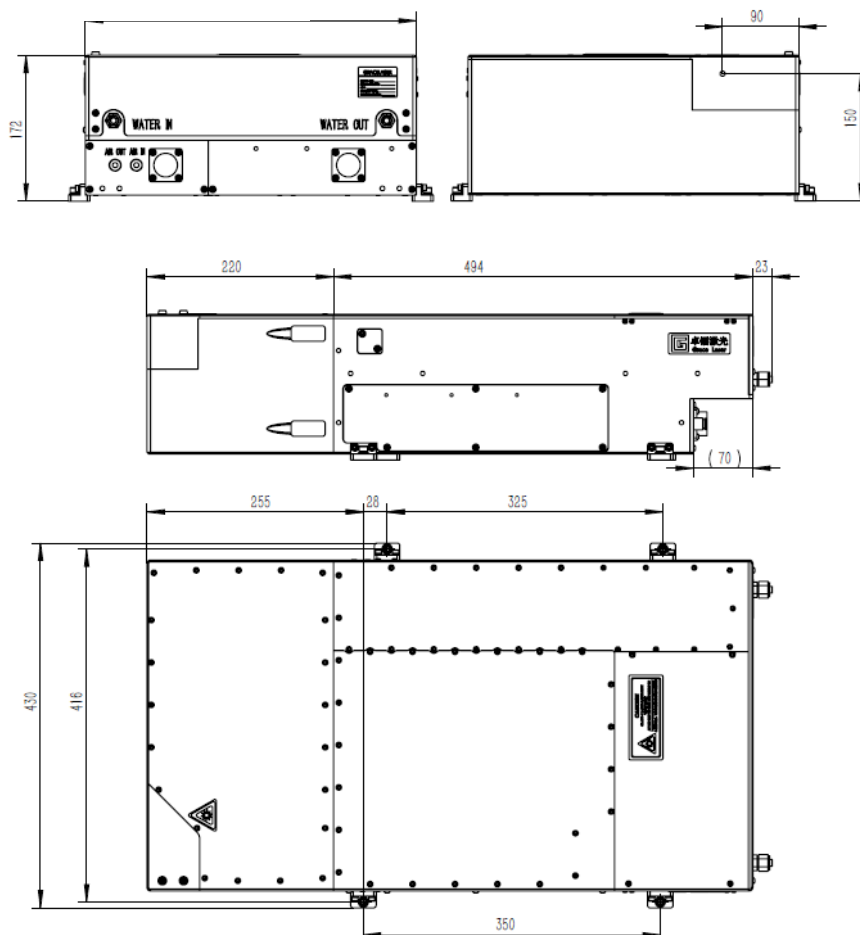
Features:

- 24x7 working, industrial grade stability
- Power tunable & APC function
- Crystal position change function
- RS232 remote control
- Lifetime >20000 hours

Applications:

- Inspection
- Material processing
- Stereolithography
- Metrology

Genius-DUV laser head dimension Unit: mm



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Laser parameters

Specifications	Genius-UV-4	Genius-DUV-3
Wavelength (nm)	355	266
Repetition rate (MHz)	80 to 120 (Customizable)	
Output power (W)	4	3
Pulse width (ps, FWHM)	<15	
Beam quality (M ²)	≤1.15	
Beam diameter (mm)	1±0.2	1±0.3
Power drift (RMS)	<1%	
Polarization	Linear, >100:1	
Beam circularity (%)	>90	
Pointing stability (μrad/°C)	<25	
Beam divergence (mrad)	<0.5	<0.8

General characteristics

Warm up time(mins)	<15
AC input	220VAC ±5% , 50/60 Hz
Consumption	<2.75 kW
Cooling	Close loop water cooling
Operations	
Conditions	15-35°C
Humidity	<50%

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