

VUV-193/1-3mW

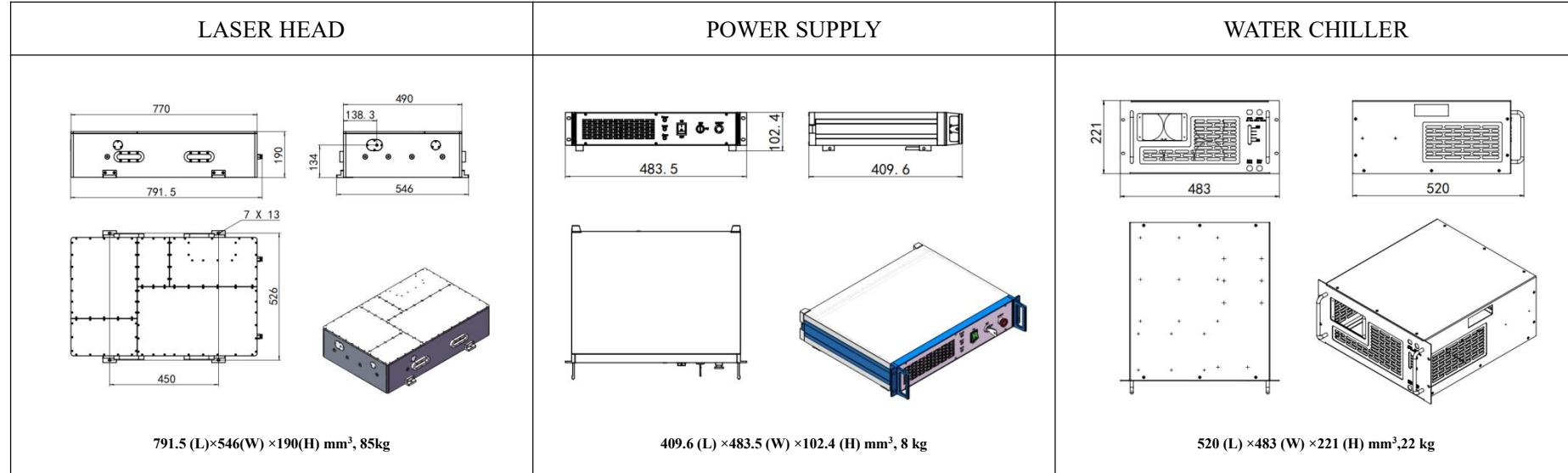
### LD PUMPED ALL-SOLID-STATE Q-SWITCHED VACUUM ULTRAVIOLET LASER at 193nm

CNI's All solid state Q-switched UV laser at 193nm has the features of ultra compact, easy operating, it is widely used in UV lithography testing, micro-electronics, metrology and material processing ,semiconductor material testing, scientific experiment, etc.



#### SPECIFICATIONS

Wavelength (nm)	193±1
Operating mode	Actively
Average power (mW) <sup>1</sup>	1-3
Rep.rate (kHz)	5
Pulse duration (ns)	~10
Single pulse energy (μJ)	0.1-0.6
Peak power(W)	1-60
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2×3
Polarization ratio	>50:1 Horizontal
Warm-up time (minutes)	<10
Beam height from base plate (mm)	134
Cooled method	Water cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	RAD1PS



1 Any power level can be selected in this range.