

AO-M-1064 /1~1000μJ/1~20W

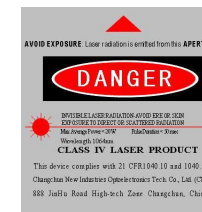
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

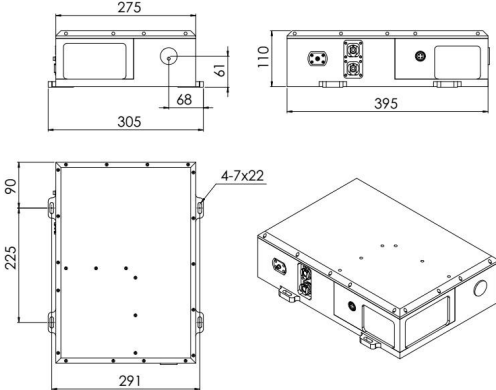
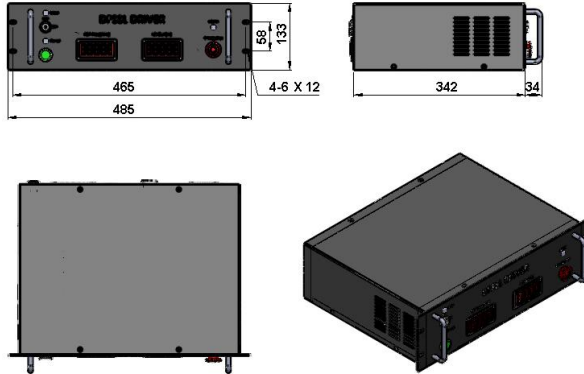
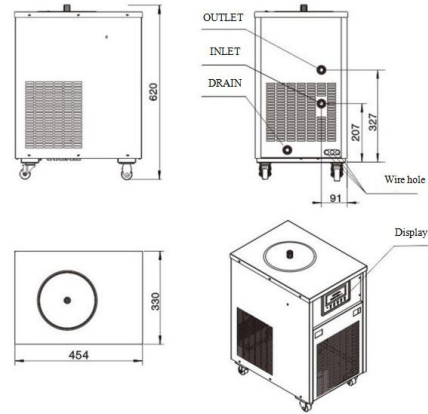
CNI's All solid state AOM Q-switched laser at 1064nm features high peak power, high repetition rate, and short pulse duration. It is widely used in marking on harder metals such as Titanium, Inconel, or Tool steel.



SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Acousto-Optics Q-switched
Average power (W)	1~20W (20W @20kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~1000 (1000uJ@20kHz)
Rep. rate (kHz)	1~20
Pulse duration (ns)	~13 @20kHz
Peak power (kW)	1~76
M ² factor	<2.0
Ave power stability (over 4 hours)	<1%, <2%, <3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture (1/e ² , mm)	~1.5
Beam height from base plate (mm)	61
Polarization ratio	>100:1
Cooled method	Water cooled
Operating temperature (°C)	10~35
Power supply (220/110VAC)	PSU-AOM (3U)
Expected lifetime (hours)	10000
Warranty period	1 year



AO-M-1064	PSU-AOM (3U)	Water Chiller
 <p>395(L)×305(W)×110(H) mm³, 13.5kg</p>	 <p>485 (L) ×381(W) ×133 (H) mm³, 9.5 kg</p>	 <p>454 (L) ×330(W) ×620 (H) mm³, 41 kg</p>