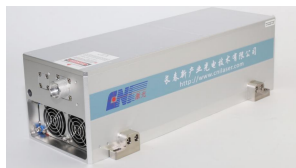




## AO-T-532A/2W /1mJ



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

All solid state AOM Q-switched laser at 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in acrylic engraving applications.

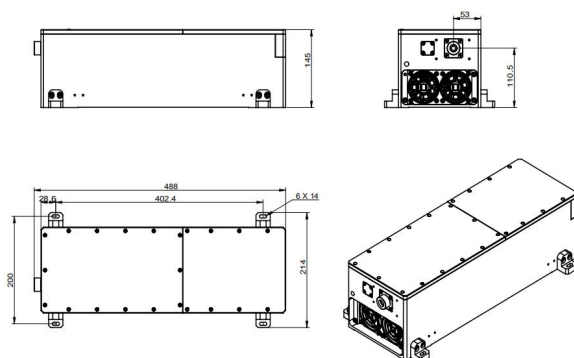


#### SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Actively
Average power (W)	2@2kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (mJ)	>1@2kHz
Rep. rate <sup>1</sup>	2~8kHz
Pulse duration (ns) <sup>2</sup>	~23@2kHz
Peak power (kW)	43@2kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
M <sup>2</sup>	<1.2
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~0.8
Transverse mode	TEM <sub>00</sub>
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	109.75
Warm-up time (minutes)	<10
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM
Expected lifetime (hours)	>10000

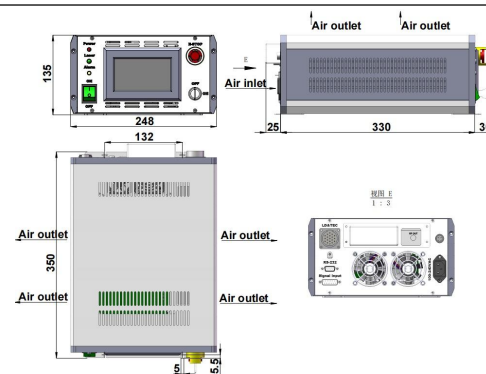


#### LASER HEAD



488 (L) × 190 (W) × 145 (H) mm<sup>3</sup>, 16.0kg

#### POWER SUPPLY (PSU-AOM)



391 (L) × 248 (W) × 135 (H) mm<sup>3</sup>, 6.0 kg

<sup>1</sup> Other rep.rate range available on request.

<sup>2</sup> Pulse width not tunable, the value varies with different frequency.