

TUN-TiL-780-850/1-500mW

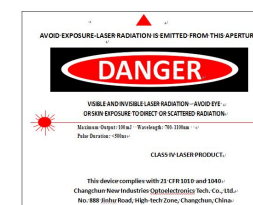
**AIR COOLING Q-SWITCHED RED
LASER at 780-850nm**

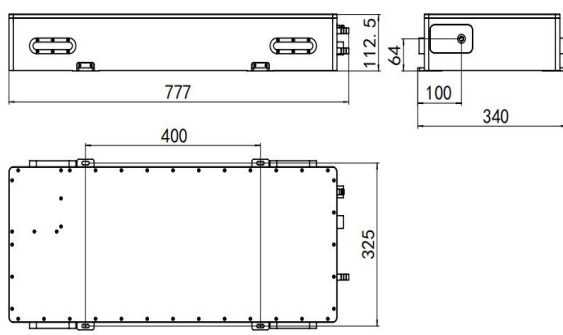
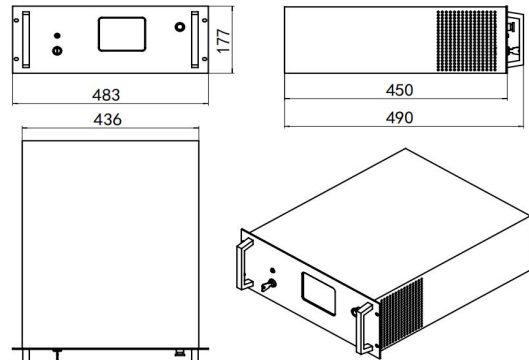
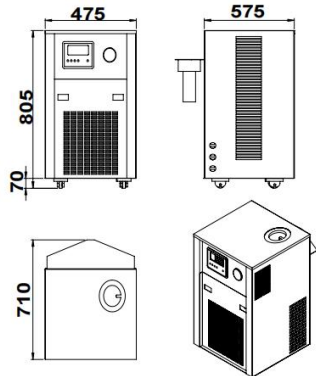
All solid state Q-switched red laser at 780~850nm tunable wavelength, has a high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	780-850
Operating mode	Actively
Average power (mW)	1-500mW@ 5KHz
Pulse duration (ns)	~10
Rep. rate (kHz)	1-5
Single pulse energy (uJ)	1-100@ 5kHz
Peak power (kW)	0.1-1@ 5kHz
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e ² ,mm)	~2
Warm-up time (minutes)	<10
Beam height from base plate (mm)	64
Cooled method	Water Cooled
Operating temperature (°C)	15-35
Power supply (220VAC)	PSU-HPL
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	WATER CHILLER
 777 (L) × 340 (W) × 112.5 (H) mm³, 30kg	 490 (L) × 483 (W) × 177 (H) mm³, 25kg	 475 (L) × 575 (W) × 805 (H) mm³, 60kg

1 One fixed value between 1-500mW.

2 One fixed value between 1-5kHz.