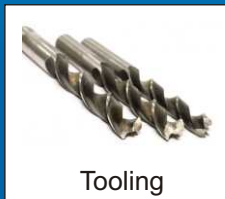


*Lasonall**



Lasonall 2 10 Watt YVO4

diode pumped marking laser



Lasonall 2

10 Watt YV04 *



The **Lasonall 2** is an **End Pumped Solid State Laser** solution for industrial laser marking applications. The laser resonator is coupled to the power supply unit by use of an **optical fiber cable** connection. The laser diode pump is located in a sealed module inside of the air cooled electronic power supply rack.

The **Lasonall 2** has **Excellent Beam Quality** making it the ideal laser for **marking a broad range of materials**. The **Lasonall 2** produces excellent results on steel, titanium, aluminum (bare, anodized, or coated) as well as on plastics (such as ABS, Lexan, PES, PET, PVC), polycarbonate and many others.

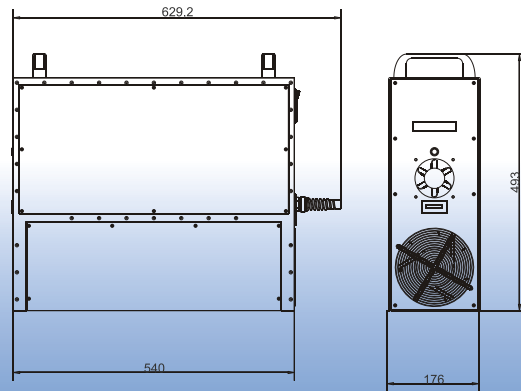
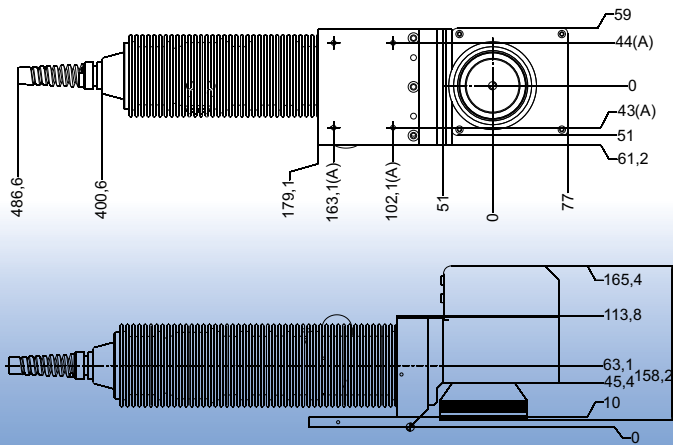
This simple end-pumped architecture utilizes a thermo-electric cooled diode laser pump with high MTBF, assures the reliability and availability of the system. This is a standard requirement of many industrial applications including medical, electronics and automotive manufacturing.

The **Marking Range** of the **Lasonall 2** makes this laser ideal in all industries where **mark quality and repeatability are demanded**. Other benefits include: permanent marking on mechanical parts, decorative marking on various materials, marking of electronic components and identification marking on medical devices and instruments.

Laser Model	Lasonall 2
Laser Medium / Wavelength	Nd:YV04 / 1064 nm
Nominal Power	10W +-5% (@ C.W. Multimode)
Beam Quality	M2 < 1.5
Power Stability (8 h)	<1 =% rms
Pulse width	12 ns (typically)
Pulse Energy / Peak power	Max. 500 uJ / 40 kW
Frequency	10-200 kHz (typically)
Maintenance intervals	10,000 hours
Aiming beam	Class 2M Red Diode laser; 635 +-5nm; 3 mW
Power Supply	AC 90-240 V / 50-60 Hz/ 1 Ph / 400 W
Cooling (TEC air cooled)	Heat load 120 W (409 btu/h)
Operating Temperature	+10 to +35 C (46 to 95 F)



Lenses	Specifications
F-Theta 100 mm	Focal width: 100 mm Marking Field: 50 x 50 mm
F-Theta 160 mm	Focal width: 160 mm Marking Field: 110 x 110 mm
F-Theta 254 mm	Focal width: 254 mm Marking Field: 180 x 180 mm
F-Theta 330 mm	Focal width: 330 mm Marking Field: 215x 215mm



Ostling follows a policy of continuous product improvement. Specifications are subject to change without notice.

Lasonall 2 is a class 4 laser product.

This Class 4 laser component is offered to qualified manufacturers who shall provide interlocks, indicators and other appropriate safety features in full compliance with 21 CFR 1040 and/or other applicable national and local regulations.

Laser interaction with organic or inorganic material can cause TOXIC FUMES / PARTICLES.

