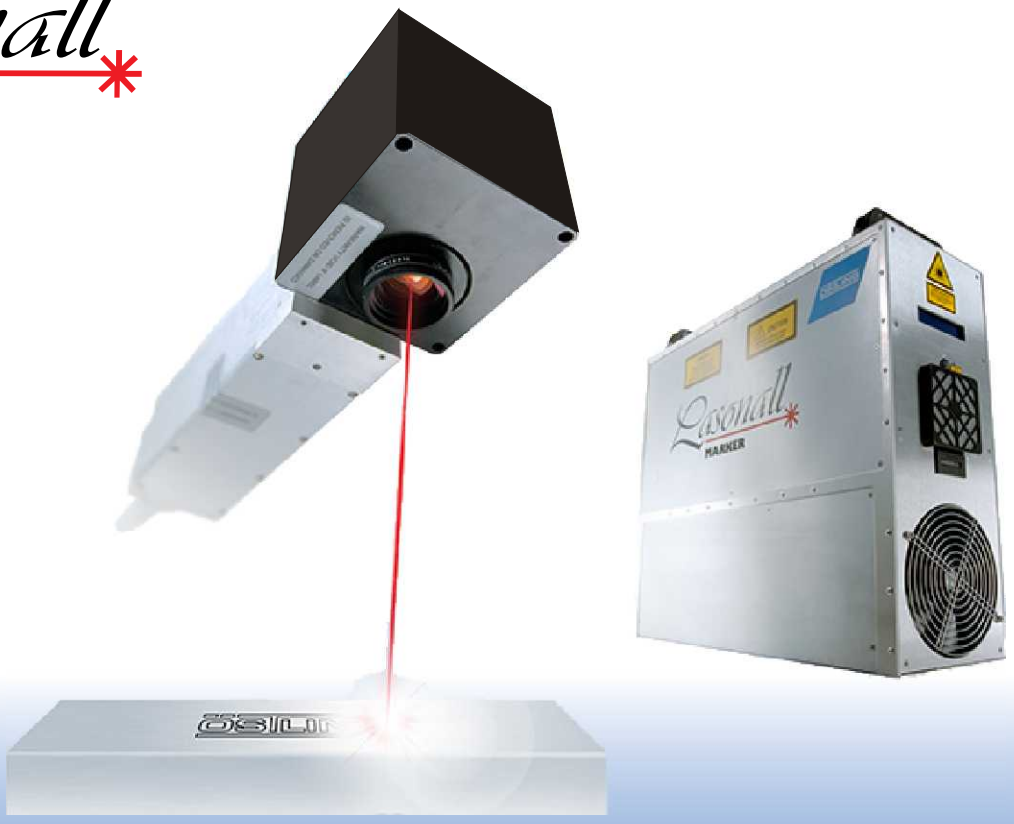
ÖSTLING TECHNOLOGIES

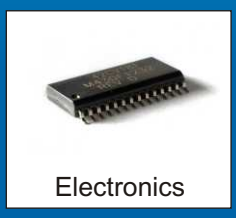
solutions for industrial marking applications

Lasonall



Lasonall 1 5 Watt YAG

diode pumped marking laser


Electronics


Tooling

Plastic


Medical

www.permanentmarking.com

Lasonall 1

5 Watt YAG

ÖSTLING TECHNOLOGIES

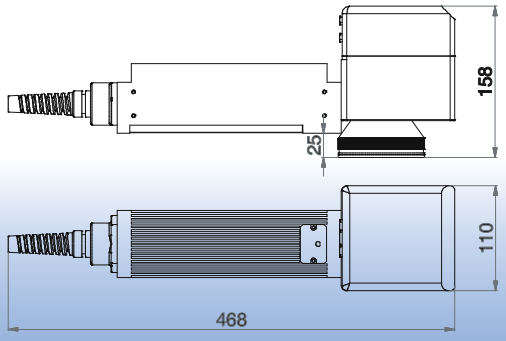
DESIGN:
The **Lasonall 1 End Pumped** architecture with **Passive Q-Switching** of the **Nd:YAG** resonator produces a simple, versatile and economical laser system. The **Lasonall 1** has long life diodes which extend the Mean Time between Failures (MTBF) of the system and provide a **significant reduction** to long term running cost.

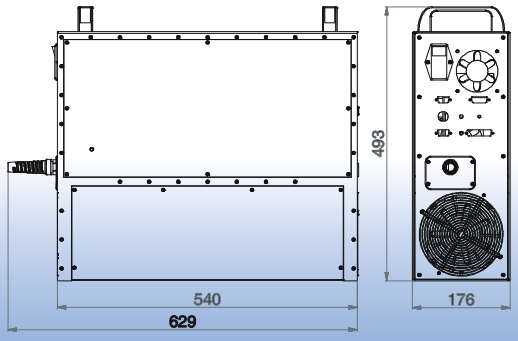
SYSTEM INTEGRATION:
Integration of the **Lasonall 1** into a **complete laser marking system** is simple. The rack power supply is equipped with all hardware required to easily interface with external components **in any new or existing production environment.**

FROM METAL TO PLASTICS:
Excellent beam quality coupled with elevated peak power permits the **Lasonall 1** to be very aggressive on metals while still providing the thermal effect required for **high quality marking on plastics.**

Laser Model	Lasonall 1
Laser Medium / Wavelength	Nd:YAG / 1064 nm
Nominal Power	5W +-5% (@ C.W. Multimode)
Beam Quality	M2 X 1.5
Power Stability (8 h)	<1 =% rms
Pulse width	8 ns (typically)
Pulse Energy / Peak power	Max. 230 uJ / 28 kW
Frequency	25 kHz (typically)
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 80 W (273 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:	215 x 215 mm





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

Lasonall 1 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.

CE

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