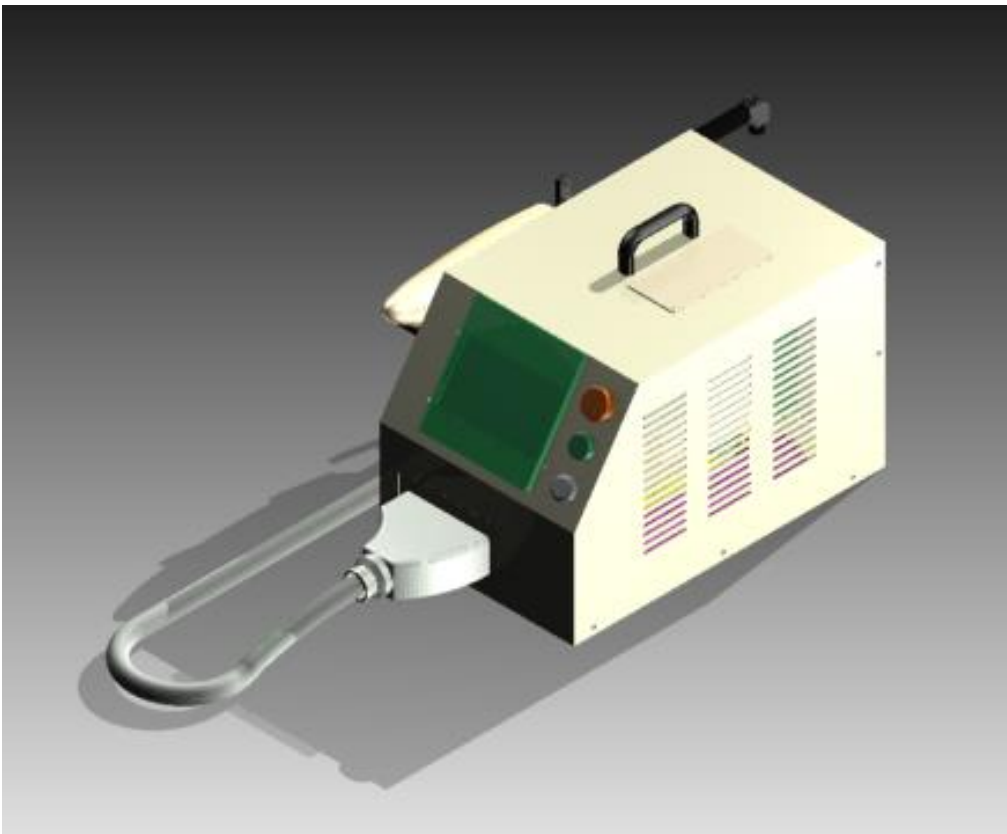
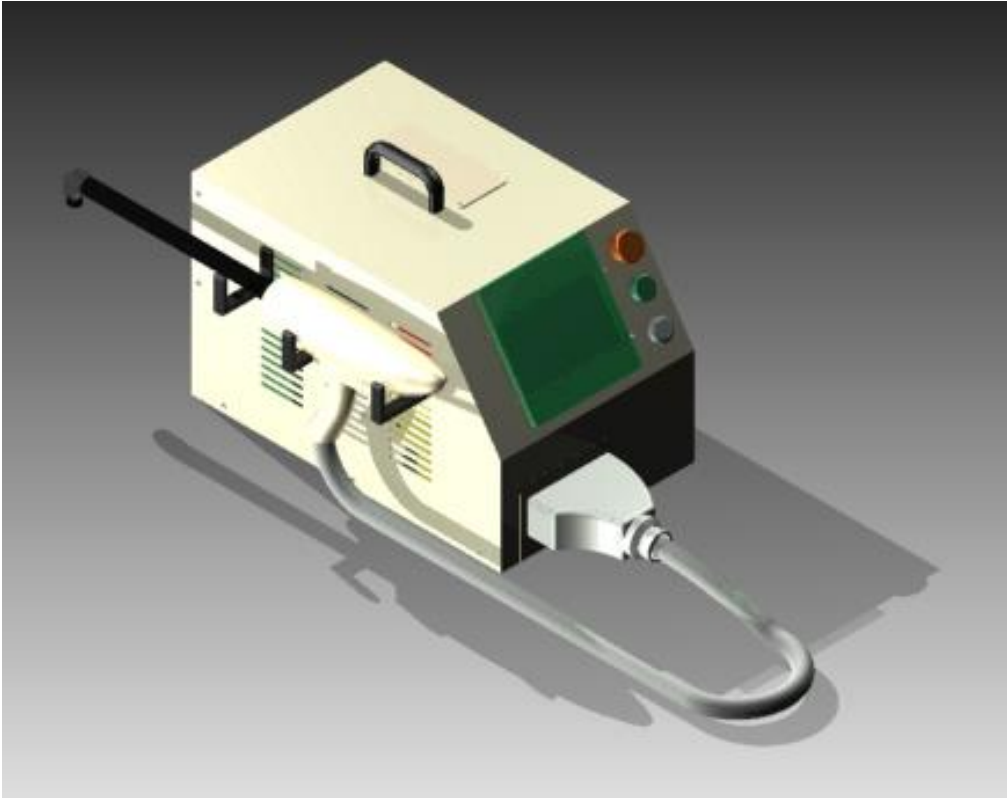


HYPROLC0515 Laser Cleaner



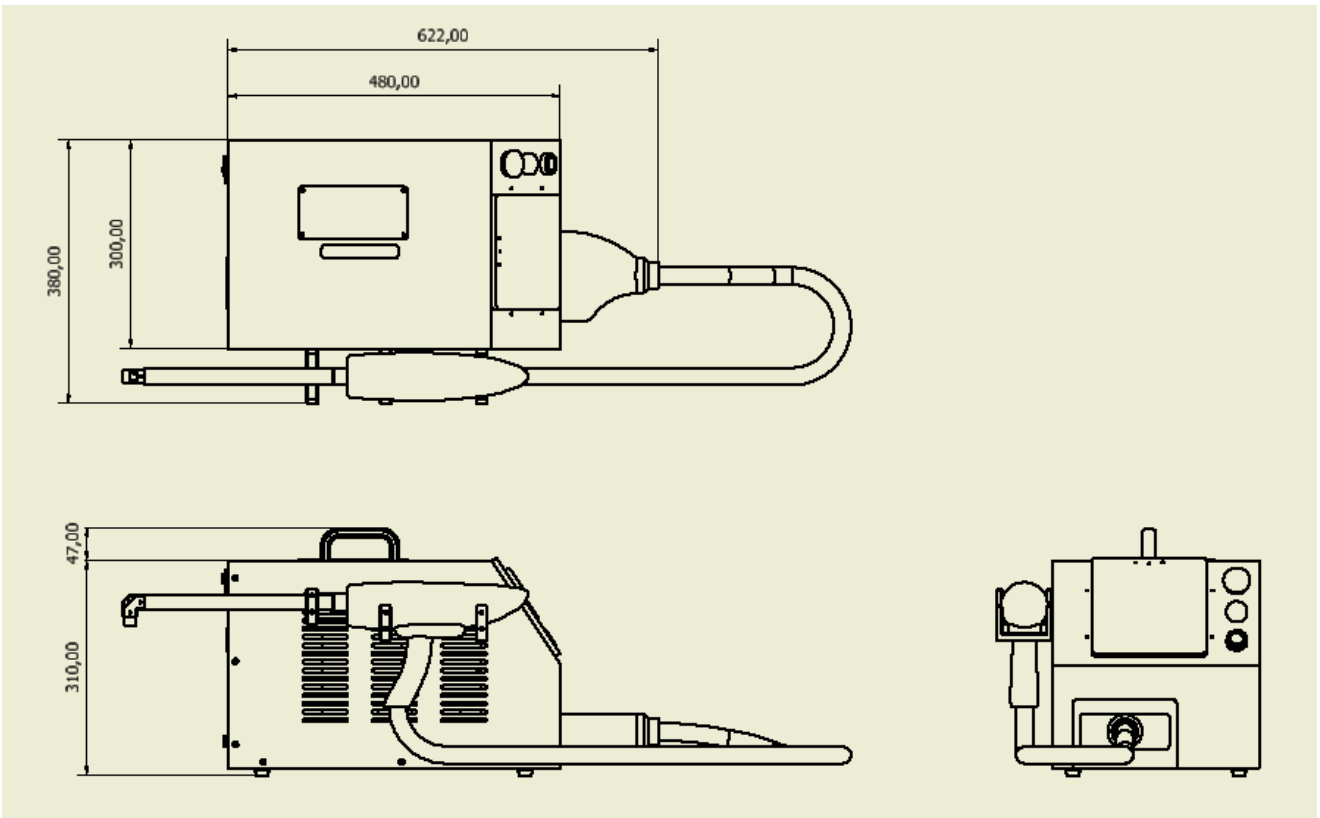
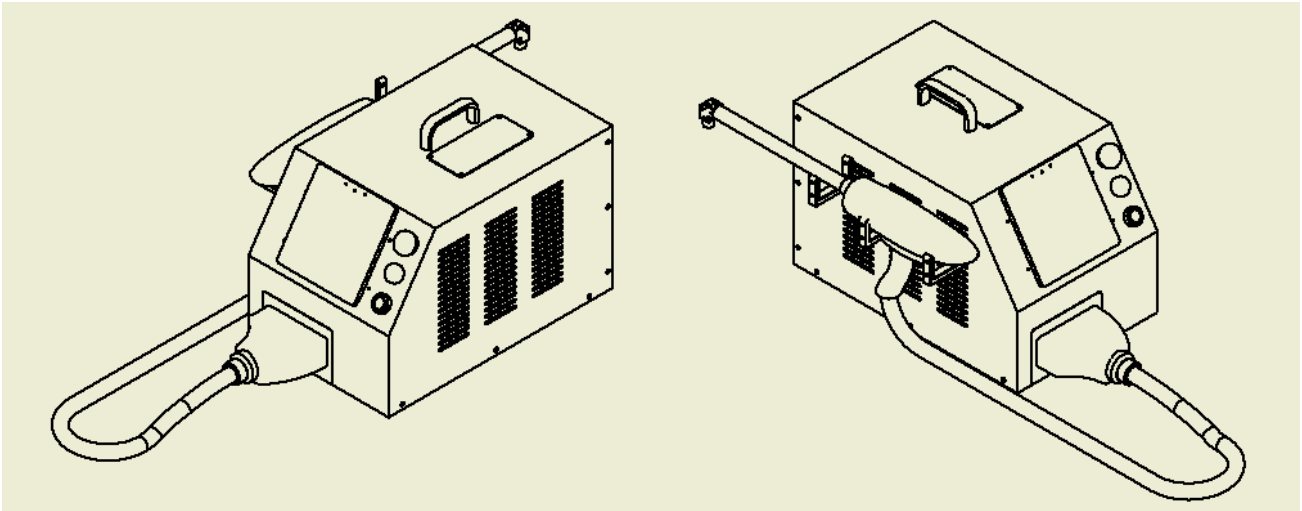
HYPRO Enterprise Co., Ltd.

www.hypro.com.tw

No.20, Ln. 772, Heping Rd., Bade Dist., Taoyuan City 334, Taiwan

TEL: +886 (3) 3756109 FAX: +886 (3) 3756108

Mechanical Drawing



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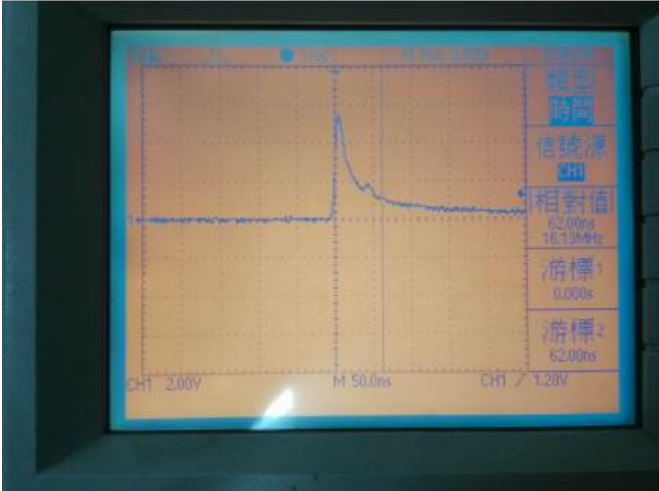
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Specifications

Laser Characteristics	
Dimensions	L622 x W380 x H357
Weight	15Kg
Gain medium	Nd:YAG crystal
Pump Light Source	flash lamp
Life time	3000000 shots
Wavelength	with optional SHG frequency doubling module. conversion efficiency<50%
Pulse repetition rate	1 Hz, 2Hz, 3Hz, 4Hz, 5Hz
Nominal Power	1.5 Watts @ 5Hz (Full-power) corresponding to 300 mJ per pulse.
Power Adjustment	1.2 Watts to 1.5 Watts @ 5Hz by adjusting the voltage of flash lamp. We offer built-in optical attenuator module for lower power applications.
Beam diameter	7 mm (FWHM)

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<p>Best Working Power</p>	<p>1.3 Watts @ 5Hz corresponding to 260 mJ per pulse.</p> <p>We recommend this power setting to avoid possible damage on the target. We use optical attenuator (typical. 70%) module to reduce the maximum power.</p>
<p>Pulse width</p>	<p>60 ns (FWHM)</p>
<p>Temporal profile</p> <p>We measure the profile via photodetector of 3ns rise time.</p>	
<p>Power Adjustment</p>	<p>1.2 Watts to 1.5 Watts @ 5Hz by adjusting the voltage of flash lamp.</p> <p>We offer built-in optical attenuator module for lower power applications.</p>

Electrical Characteristics	
Electrical supply	110VAC 50/60Hz, 10A
Interlock and controls	Trigger button at laser head Lock button on the front panel Foot switch (optional) Temperature limitation (adjustable)
Cooling system	50Watts active water cooling. 1.8L water tank.
Operating temperature	<35°C

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Feature

Automatically warn and disable laser output when cool water is insufficient

Record total shot number for monitoring the flash lamp condition

Use optional authorization password to avoid accidentally parameters modification by operators

Laser head is disassemble easily for repairing

External adjustable red pilot laser spot

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