

Warning: call_user_func_array() expects parameter 1 to be a valid callback, function 'et_add_viewport_meta' not found or invalid function name in /home/laserva/public_html/linalasers.com/wp-includes/plugin.php on line 496



CONTACT US



E-Mail:

info@linalaser.com

Phone: (401) 724-0076

About Us



401-724-0076 info@LNALaser.com



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LNA was established as a pioneer in the introduction of industrial grade Solid State Diode Laser technology for manufacturing. With over 15 years experience, LNA has since been dedicated to supplying cutting edge laser technology (fiber and diode), and support throughout the Americas and internationally. LNA laser applications include marking, cutting, welding and more for all manufacturing industries.

The "All-in-One" DPSS Laser Marking System

The MP2, All-in-One DPSS laser marking system is an entry level marker where throughput isn't critical. The system includes everything you need – laser, galvanometer (laser beam scanning optics), control electronics and marking software. Simply load the software onto your PC, plug the system in and you are ready to make your mark.

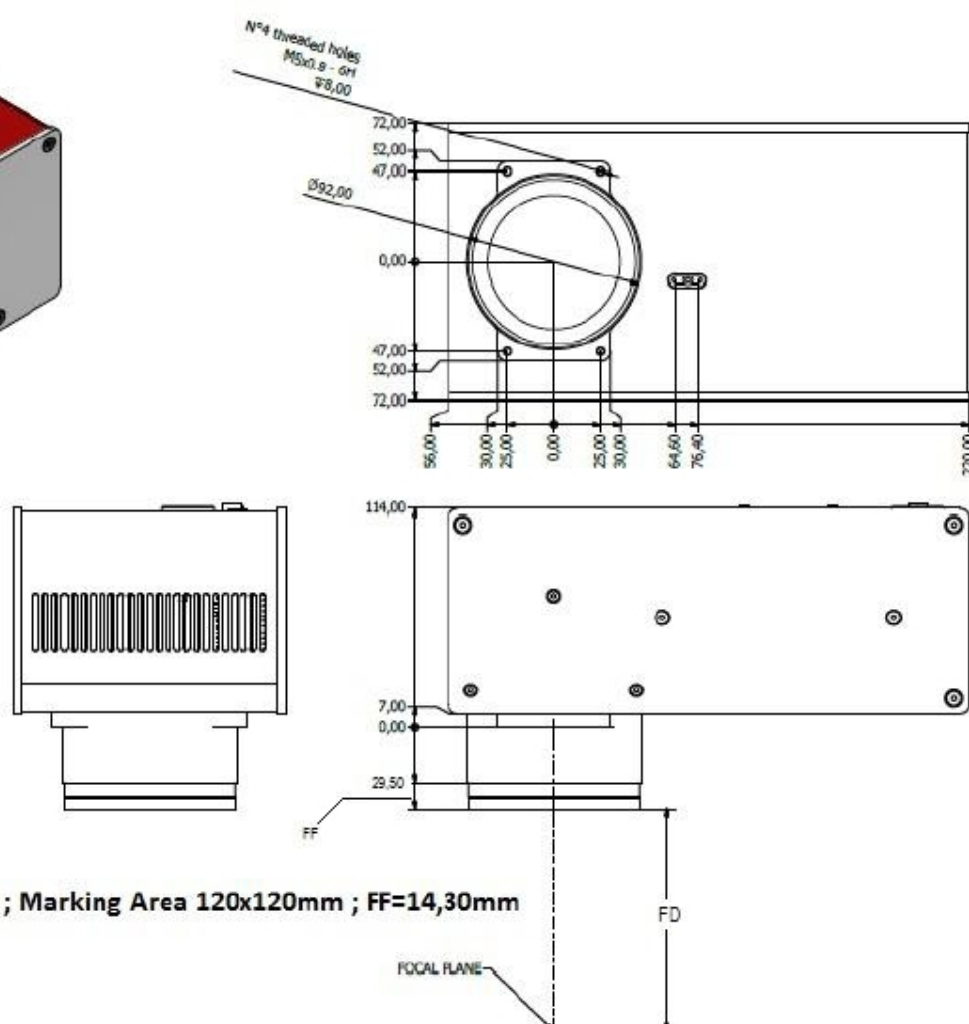
Diode Pumped, Solid State (DPSS) lasers were first reported back in 1964. Laser diodes are used to optically pump a laser crystal, typically Nd:YAG (neodymium-doped yttrium aluminium garnet) or Neodymium-doped yttrium orthovanadate (Nd:YVO4) commonly called 'vanadate' lasers. These are pulsed lasers with a few nanosecond pulse duration and typically operate in the tens of kilo-Hertz pulse repetition rates. They exhibit very good beam quality, near diffraction limited which is to say they can be tightly focused onto the substrate for high resolution marking.

Industries Served

- Automotive Mfg
- Aerospace Mfg
- Medical Device Mfg
- Electronics Mfg
- Semiconductor Mfg
- General Industrial Mfg
- Jewelry Mfg
- Firearms Mfg
- Secure ID/Financial Card Mfg

Download Our DPSS Laser Catalog Now!





Focal length 160mm; FD= 178+/-2 mm ; Marking Area 120x120mm ; FF=14,30mm

The system is incredibly compact, measuring less than 11" x 6" x 6". It is suited for marking plastics, anodized aluminum and hard metals such as titanium, stainless steel and carbides.

Laser Parameters:

Pulse Width	~3 ns
Pulse Energy	80 µJ
Peak Power	30 kW
Beam Quality	<1.5 M ²
Wavelength	1064 nm (infrared)
Aiming Beam	635 nm (Red)
Voltage	24 Vdc / 6 A

Marking Parameters (all dimensions in mm)

Focal Length	100	100	160	160
Objective Diameter	85	39	85	39
Focal Distance	100	117	178	178
Marking Area	60x60	50x50	120x120	100x100



DPSS Laser Marking Examples

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