

VIOLINO 3 PLUS

End Pumped Solid State 27W laser solution for industrial laser marking applications. Violino 3 Plus is characterized by excellent beam quality, high peak power, short pulse width. Highly aggressive on metals while at the same time is able to limit the thermal effect for optimum marking of plastic. Power, long term stability and precision of Violino 3 plus laser allow successful use in all laser marking and engraving applications.

FEATURES & BENEFITS

- Extremely easy to integrate and configure
- High reliability
- Superior marking speed and beam quality
- High peak power and short pulse width for excellent marking on a broad range of materials

ACCESSORIES

- Shutter IR
- Control Box
- F-Thetas



LASER MARKING

APPLICATIONS

This product series has been developed to satisfy to requirements of the following reference applications:
 - Fast marking and engraving applications especially in automotive industry among the others



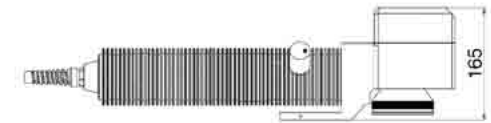
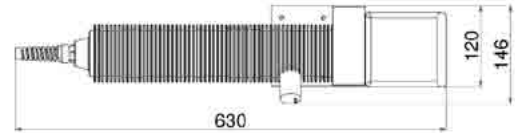
VIOLINO 3 PLUS

Wavelength	1064nm		
Average Output Power (typical)	27W ± 5% CW		
Repetition Rate Range	20-100 kHz		
Pulse Width	12 - 14 ns @20 kHz		
Max Pulse Energy (typical)	1 mJ @20 kHz		
Aiming Beam	Class 2M Red Diode Laser; λ=635nm +/-5nm; 3mW		
Temperature Range	Operative 10°C to 35°C Storing 0 to 50 °C		
Cooling System	Air cooled		
Power Supply	AC 90-240 V / 50-60 Hz		
Laser Power Consumption	Maximum 800 W		
Optical Fiber Length	3m D80 connector		
Resonator Dimension & Weight	mm 496 x 120 x 114	kg 5,5	
Rack Dimension & Weight	mm 629 x 176 x 493	kg 30	
EEC Rules compliance	2004/108/EEC: "Electromagnetic Compatibility" 2006/95/EEC: "Low Voltage"		
EU Standard compliance	EN 61000-6.4, EN 61000-6.2, EN60204-1, EN60825-1		
Standard Marking version supplied	BEX 9X ; MiniScan8_1064; FTheta 160L		

F-Theta 1064nm	100L	160L	254L
Working Distance (mm)	98	176	296
Working Area (mm x mm)	60 x 60	110 x 110	180 x 180



L (large) > Ø = 90mm

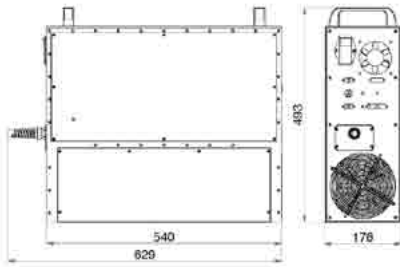


MARKER RESONATOR



SOURCE RESONATOR

- Other focal lengths are available upon request



CONTROL UNIT (RACK)



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The company endeavours to continuously improve and renew its products; for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct installation and use, the company can guarantee only the data indicated in the instruction manual supplied with the products.

All laser sources described in this product guide are Class 4 laser sources. Laser interaction with organic or inorganic material can cause TOXIC FUMES/PARTICLES. The OEM laser components described in this product guide is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features in full compliance with applicable national and local regulations.