VIS MARKING LASER

LASER

Compact Laser for Integration

Permanently mark steel, anodized aluminum, painted surfaces, and plastics with this compact Class 4 laser. The integrated marking unit contains the laser source, scan head, lens, and controls so that it can be easily integrated into automated production lines or safety enclosures.

Mark text, date codes, shift codes, serial numbers, bar codes, 2D codes, graphics and logos easily with the Genius Plus software. Easily adjust the laser's velocity, frequency, power, and pulse width parameters to achieve quality marks in the required cycle time.

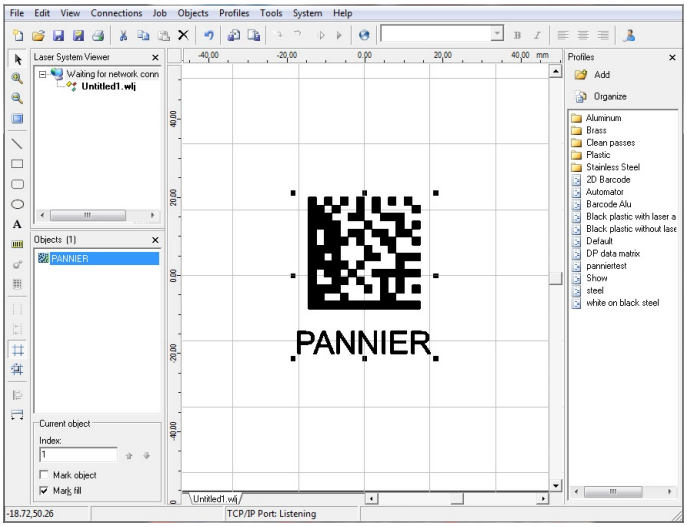
- **No** separate controller or PC needed
- **No** delicate fiber to protect
- Small footprint for easy integration
- Safety enclosures available for benchtop marking

WATTAGES

Source	Wattages
YVO_4 @ 1064 nm	10 Watt
	20 Watt
	30 Watt
	40 Watt
Green @ 530 nm	3 Watt
	6 Watt

Genius PLUS Software

The most flexible and easy to use laser software package available today. When coupled with the proprietary MarkAlone embedded controls, you can operate the laser as completely stand-alone system. A PC is needed only for initial setup of the marking jobs.



Marking Preview: Verify the exact position of the mark on your part by using the red positioning beam.

Marking Parameters Database: Store unlimited power profiles for marking different materials for fast and easy marking job setup.

SPECIFICATIONS

Dimensions	400 x 170 x 200 mm (L x W x H)
Weight	11.3 Kg / 25 lbs
Modality	TEM00
Diode Life	25,000 hours
MTBF	120,000 hours
Power Supply	External 24V DC, 100/240 V 50/60 Hz
Communications	Command Box, PC, I/O, RS-232 Serial, Ethernet TCP/IP
Languages	English, Chinese, German, French, Spanish, Japanese, Korean, Italian
Operating Environment	15° to 35°C / 59° to 95°F 10 to 85% non-condensing humidity

Marking Area	60mm x 60mm (F100 lens) 110mm x 110mm (F160 lens) 180mm x 180mm (F254 lens)
2D Codes	Data Matrix, QR, PDF
Bar Codes	Code 39, Code 93, Code128, EAN/UCC128, Interleaved 2 of 5 ITF, PostNet, Upla, Uple, EAN 8, EAN 13, Booklan
Graphics File Types	DXF, WMF, PLT, EMF, BMP, JPG, EPX, PCX, GIF, AI, SVG, MF, PNG, TIF
Fonts	Use any TrueType font

MATERIAL & LASER COMPATIBILITY

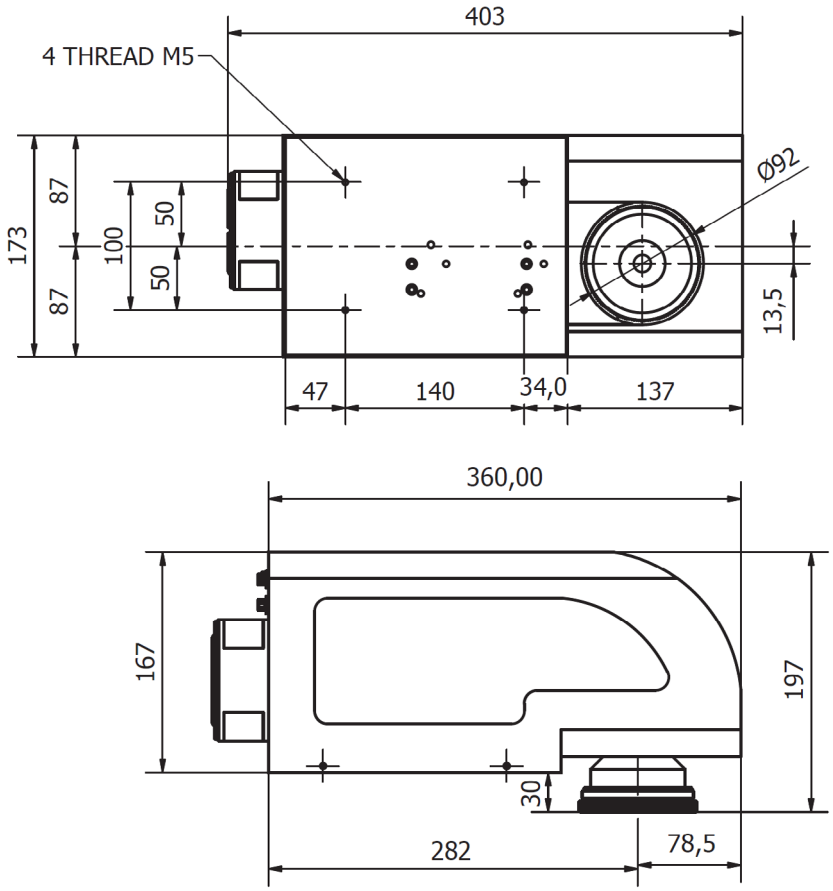
Material	YVO_4	Green
Alloys	■	■
Anodized	■	■
Black paper	■	
Burnished	■	■
Ceramic	■	
Ebony	■	
Fabric		
Glass		
Leather	■	
Metals	■	■
Painted	■	■
Plastic	■	■
Polycarbonate	■	
Precious stone		
Silicon	■	■
Wood	■	

BASIC BOARD SIGNALS

I/O Female 15 poles	Marking
	Laser Enabling
	Start Marking
	System OK
	Laser On

I/O Male 15 poles	Diagnostics ID Driver
	Q Switch On
	Thermic OK
	Warm Up
	Current Monitor

DIMENSIONS (mm)



ACCESSORIES (PC Required)

- Programmable X/Y Axis
- Programmable Zeta axis to move the head vertically to mark on different levels
- Theta axis for marking round parts up to 7.5 Kg / 95mm diameter
- Bar code scanner to retrieve data for marking

PANNIER CORPORATION

207 Sandusky Street • Pittsburgh PA 15212-5823 USA

412-323-4900 tel • 412-323-4962 fax • sales@pannier.com • www.pannier.com