NANOVIS II MARKING LASER

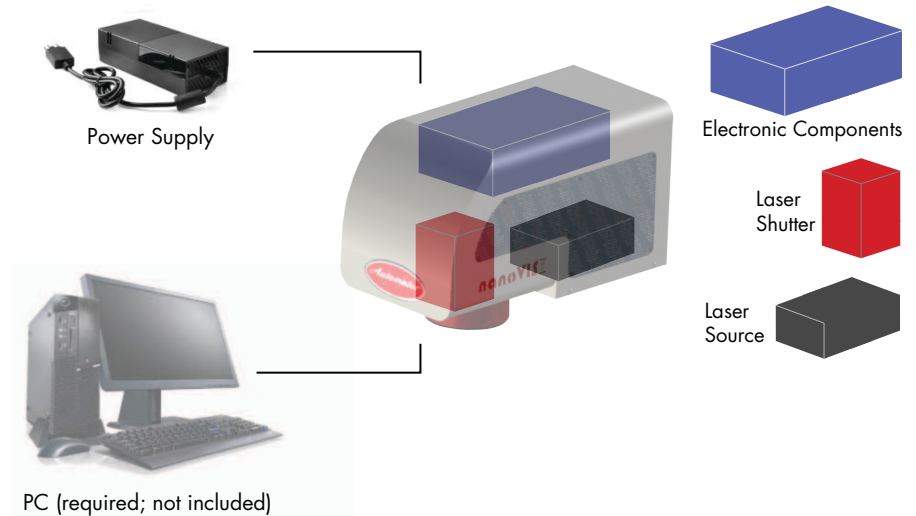Compact, economical laser marking system.

Permanently mark ceramics, plastics, metals, anodized metals, and painted surfaces with this versatile Class 4 laser. In addition to being the world's least expensive galvonometer-steered laser, it is also the smallest laser of its kind in the world. Its compact size makes it ideal for integration into a multitude of automated production environments or Class 1 safety enclosures.

- No delicate fiber to protect
- All components are housed in the compact, lightweight cabinet
- Easy setup and diagnostics
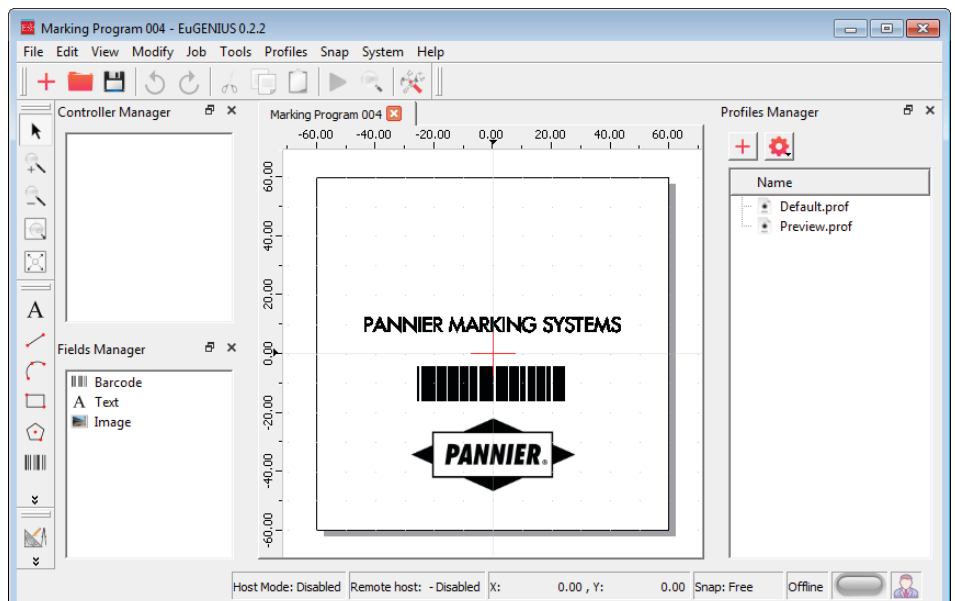
aWave® Self-adjustable Frequency

The nanoVIS uses proprietary aWave™ laser technology with automatic frequency control. The result is a laser that can achieve excellent marking results on a wide variety of materials that might otherwise require lasers with different wattages. aWave™ provides a good balance between cost and mark quality.

Power Supply

Electronic Components

Laser Shutter

Laser Source

PC (required; not included)

EuGenius™ Software

The included software is easy to use, with multi-language menus and a simple drag-and-drop interface.
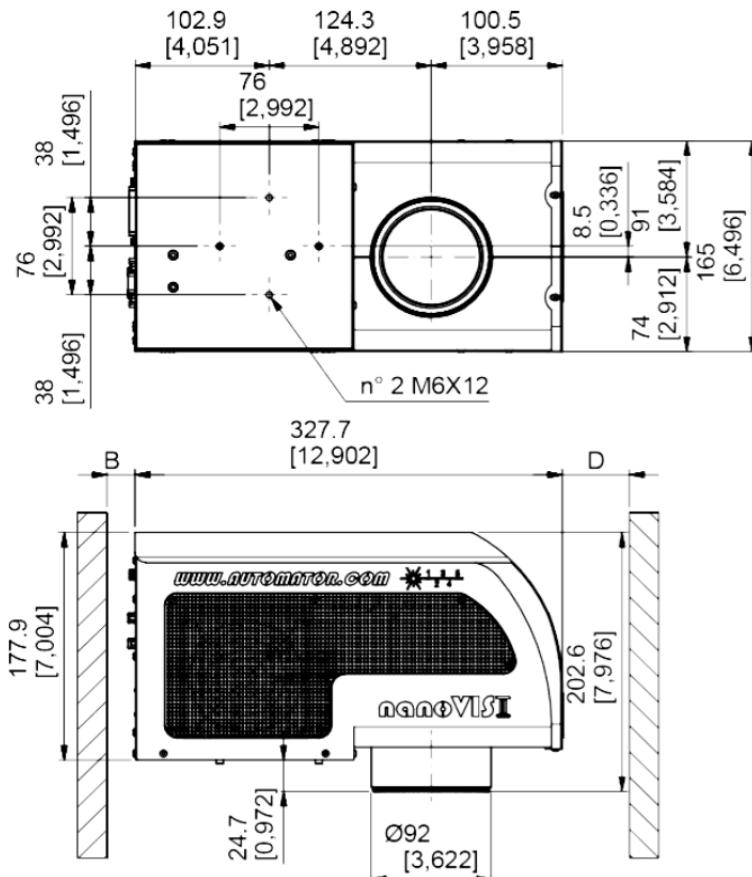
- Create text, bar codes, 2D and QR codes, and automatic date code and serial number fields.

- Lines and shapes can be created with the drawing tools, and graphics can imported in many raster and vector formats.

- Variable information for each field can be accepted from a host computer, database, text file, or operator input.
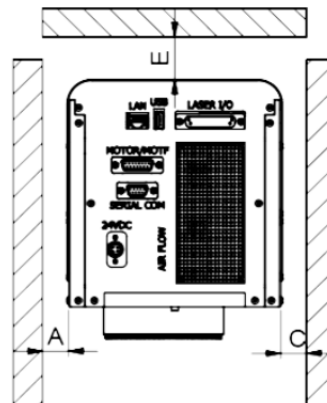
SPECIFICATIONS

Laser Source	Nd:YVO$_4$ with auto regulation
Output	6 W, variable
Wavelength	1060 nm
Beam Quality	TEM$_{00}$
Pulse Duration	< 130 ns @ 20 kHz
Output Power	10% to 100%
Cooling	Forced air
Dimensions W x L x H	12.9" x 6.5" x 8.0" 327.7 x 165 x 202.6 mm
Weight	16.9 lbs.	7.7 kg
MTBF	120,000 hours
Power Supply	100/240V, external 24 VDC (12A) and 5 VDC (6A)
Operating Environment	59° to 95°F	15° to 35°C 10 to 85% non-condensing humidity

LENSES

Lens	Marking Area	Focus Length
F100	2.3" x 2.3" 60mm x 60mm	4.7" 120mm
F160 (standard)	4.3" x 4.3" 110mm x 110mm	7.5" 191mm
F254	6.1" x 6.1" 155mm x 155mm	11.9" 302mm
F330	8.6" x 8.6" 220mm x 220mm	15.3" 390mm
F420	11.8" x 11.8" 300mm x 300mm	20.5" 520mm

RED POINTER

Select one or all fields and the red pointer light will outline the position of the field(s) on your part. Fields can then be repositioned by using the arrow keys on your computer.

DIMENSIONS (mm/in)

DATA	VALUE[mm]	VALUE[in]
A	100	3.94
B	200	7.87
C	200	7.87
D	0	0
E	0	0

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