

# LASER MARKING TECHNOLOGIES



## nanoVISII A-WAVE™



### THE SMALLEST MARKING LASER IN THE WORLD!

A revolution in the world of laser marking: nanoVISII, with automatic regulation of frequency, marks up to 20W. That allows to generate great economies of scale and let nanoVISII to have high performance but to be a low cost laser.

SAFETY CLASS: 4



## VISI 1064nm

20W  
30W

## greenVISII 532nm

5W

### EXTREMELY COMPACT AND LIGHTWEIGHT UNIT FOR INTEGRATIONS IN LINE

The optimized marking head is the result of Automator's over twenty years of experience in the laser marking segment: a single small body containing source, electronic components, galvo system and optics, easy to integrate, install and use.

SAFETY CLASS: 4



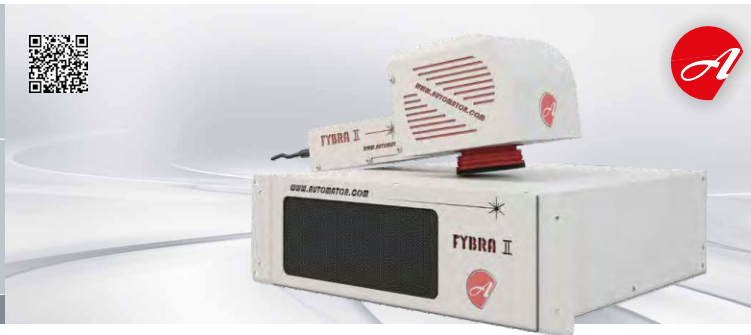
## FYBRA II

21W  
31W  
52W  
62W  
82W  
100W

### HIGH POWER AND PRECISION ACTIVE FIBER LASER

FYBRAII is the second generation (Generation II) of the Automator top selling active fiber laser for marking in industrial environments. FYBRAII generates a high power laser beam from the source to the head via a flexible fiber cable. The innovative main block and the head are designed and optimized to work in a heavy duty work environment, where vibrations, disturbance and dust are very common.

SAFETY CLASS: 4



## MOPAI

20W  
70W

### FOR MARKING COLORS ON STEEL SURFACES

Highly innovative laser marking system:

- Color marking on steel surfaces
- Pure touch zero black marking with maximum precision (annealing)
- Perfect for marking udi codes - zero roughness

SAFETY CLASS: 4



### MECHANICAL SHUTTER: SAFETY FIRST



Like all second generation Automator lasers (Gen II), FYBRAII is equipped with a CE marked safety dual contact mechanical shutter, which allows the laser to achieve a SIL3 - PLE safety grade, the highest degree of security for a laser device.

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**Your Global Marking Partner since 1940**





## THE SOFTWARE DESIGNED FOR OUR LASERS

The EuGenius Software was designed and developed by a Automator's highly specialized team, consolidating the demands marked in long marking know-how term, for over 80 years. Versatile in applications, EuGenius is easy to use, even by operators without specific technical training or CAD knowledge.

### MAIN FEATURES:

- Multilanguage menu
- Management of barcode "DataMatrix", 2D code, QR code, PDF Queues
- Easy import of vector drawings, DXF
- Barcode management and selection: Code 2 of 5 interleaved, Code 39 (ISO 16388), Code 39 extended, EAN, EAN-128, Codebar, Code 128 (ISO 15417), Code 93, UPCA, UPCA-E, Postnet, PDF417 (ISO 15438), PDF417 Truncated, QR Code (ISO 18004), Code ISBN, DataMatrix Code (ISO 16258), Micro QR Code, HIBC
- Easy import of raster graphics, BMP, JPEG, JPG, GIF
- Complete set of laser parameters such as speed or power laser
- Texts, Text arcs, text on curved lines
- Lines, rectangles, polygons, circles and arcs
- TTF Font @ (windows property)
- Graphic preview
- Texts with date, serial numbers, shift codes and year/month/day
- Multi fillings or single profile markings
- Templates (object to be marked as background)
- Proportion scale, move, rotate, group creation of each object on the screen
- Quick Test for an easy identification of the best laser parameters
- Automation & object filling
- External axis commanded by software
- Shutter control
- Easy diagnosis of troubleshooting
- Markings with filling or only profile or only filling
- Template (object to be marked as background)
- Interfacing with automatic tag loading / unloading system ATF Au - tematic or specific for marking plates
- Proprietary communication protocol TCP / IP and RS232
- Integrated automation features to integrate into the software Eu Genius
- Proportion in scale, movement, rotation, group creation each object on the screen
- Quick test for a simple identification of the more correct setting parameters
- Axes controlled in manual, semi-automatic and automatic mode from the software
- Shutter control

### AVAILABLE SOFTWARE OPTIONS:

#### STAND-ALONE MODE

Designed for using the laser without a PC. It also includes:

- Hardware with binary choice up to 31 programs
- External control panel for manual control (optional)
- TTF font
- Automatically variable text
- XY, Zeta, Theta axis control optional
- Program control via I/O
- Proprietary communication protocol via serial or Ethernet
- All these options can work at the same time



DISCOVER  
EUGENIUS

#### FIELD BUS COMMUNICATION PROTOCOLS

(ONLY ON STAND-ALONE MODE)

- PROFIBET is an industry technical standard for data communication on industrial Ethernet, designed for data collecting and controlling of equipment in industrial systems.
- ETHERNET/IP is a technical standard for the communication of data on industrial Ethernet, designed for data collecting and equipment controlling in industrial systems. BACnet / IP, CC-Link, E-Field, Common Ethernet, EtherCAT, EtherNet / IP, Modbus, TCP, Powerlink, Profibus, CANopen.

#### SQL CLIENT (INDUSTRY 4.0)

Integrated database software development. This feature enables the EuGenius software the ability to connect directly to a Microsoft SQL Server, without help of additional external software, to fetch information on the JOB to be loaded, quantity and contents to mark, as well as save on the DB itself the marking history. Thanks to different options configuration, the feature ensures a flexible interface with different working modes with user friendly and safe interface for the marking system with the DB.



**THETA STANDARD** (with 0 point from encoder)  
Maximum dimensions handled piece:  
96 mm - 15 kg

## UBI Basic

A-WAVE™

### CLASS 1 LASER SYSTEM

Laser marking system for small and medium productions, including Micro aWave source that allows to create markings comparable to a 20W fiber laser on many materials. The external protective structure is extremely compact, ideal to be used on a workbench.

SAFETY  
CLASS:

1



**SMOKE AND DUST EXTRACTORS**  
They filter the marking area up to 99.9%.

## ARENA

### THE SMALL AND COMPACT WORKSTATION

Bench cabinet for laser marking with automatic or manual front opening door and large inspection window, for checking the marking area.

SAFETY  
CLASS:

1



**LINEAR AXIS**  
They allow the laser to move in space for marking larger surfaces even at different heights.

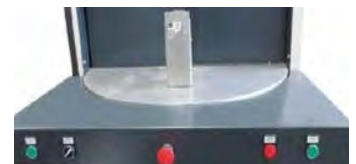
## CUSTOM

### CUSTOM SOLUTIONS FOR SPECIAL APPLICATIONS

Turn key Laser Marking Workstations tailored to fit your needs. When your application requires larger or custom part handling, special fixturing, automation, custom integration or more...that is outside the scope of our standard Class 1 enclosure offerings. Custom systems can be designed and built fully to your unique application. Full design and build from concept to final production. Look no further than Automator.

SAFETY  
CLASS:

1



### ROTATING TABLE 2/4 POSITIONS

It allows to rotate the piece to be marked on a XY plane and load the different parts to be marked while the laser is working on parts previously loaded.

