Automator
Marking Systems

MARKING SYSTEMS

LASER

WE HAVE BEEN MARKING ANY SURFACE FOR OVER 80 YEARS

YOUR ONE-STOP SHOP FOR EXCELLENCE IN INDUSTRIAL MARKING

85
YEARS OF EXPERIENCE

200
COMMODITY SECTORS

70
MARKING SOLUTIONS

INDEX

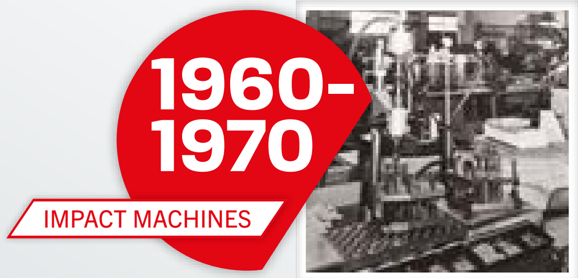
AUTOMATOR HAS ALWAYS BROUGHT THE FUTURE TO THE INDUSTRIAL MARKING SEGMENT

Since its early years, Automator has consistently focused on industrial marking, always envisioning, designing, and delivering the most cutting-edge technologies for this activity.

How can our customers benefit from our 80 years of experience?

- 85 years of activity mean a deep KNOWLEDGE of marking applications across all sectors
- 85 years of activity mean extensive EXPERTISE in pre-sales activities, particularly in understanding customer needs
- 85 years in business mean all Automator products are the result of continuous technological improvements layering, upgrades and innovation
- 85 years of activity mean extensive EXPERTISE in post-sales activities
- 85 years in business mean STABILITY: we will always be by your side to support you in all your marking activities

In the year of its founding, Automator began with impact marking, the oldest method, which is still used today in workshops and production lines.



Hot marking and press marking techniques made their debut, both of which were non-computerized.

A significant turning point: the introduction of dot peen marking, a computerized technology. An innovative breakthrough: the market launch of the first laser machines, naturally computerised. We began by introducing the Yag source, and then, in a short span of time, offered every laser technology: YVO4, UV, Intra, CO_2, Green. All sources are available with different wattages.

We invented a new laser technology, aWave, with automatic adjustment of marking frequency. A truly significant innovation: this is a new concept of laser, very high-performing yet also very economical, thanks to the substantial economies of scale allowed by its wider range of use, capable of marking with performance from 1W up to 40W. We also began producing and distributing scribe marking machines.

1940 | TODAY

Since 1940, Automator Marking Systems has distinguished itself globally for the design, production, and sale of advanced systems dedicated to industrial marking and verification. Celebrating the significant milestone of 80 years of success in 2020, our company demonstrated an extraordinary dedication to the evolution of the sector. Our eighty-five year journey has been marked by a deep commitment to understanding international industrial production dynamics, spanning every market segment and application. Our history is characterized by constant research and development, focused on innovating our machines and introducing cutting-edge technologies. This ongoing commitment has allowed Automator Marking Systems to be a benchmark for the progress of the industrial marking sector, guiding it towards new horizons and the achievement of increasingly ambitious goals. Over the years, we have expanded our global presence, establishing strategic partnerships in over 50 countries. This international expansion reflects our commitment to supporting industries worldwide, offering them state-of-the-art marking technologies and unparalleled customer service. The trust our partners place in us is a testament to our commitment to excellence and innovation.

As we look to the future, we remain faithful to the principles that have guided Automator Marking Systems since its foundation: quality, reliability, and innovation. We will continue to invest in research and development to anticipate market needs and to offer increasingly advanced and sustainable solutions. Our vision is to continue to be pioneers in the industrial marking sector, helping to shape the industry of the future with increasingly intelligent and integrated technologies.

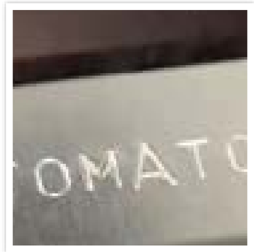
Our innovative solutions

Automator Marking Systems offers a wide range of industrial marking solutions, from traditional to cutting-edge techniques, addressing every possible need in the sector. Our product range stands out for its vast variety: from reliable mechanical machines, available in pneumatic and electro-pneumatic versions, ideal for different marking techniques like impact, roll marking, and hot marking, to the most sophisticated laser technologies for millimeter-precision engraving.

Our advanced laser technologies go beyond simple marking, allowing for extremely detailed engravings with unparalleled versatility on a wide range of materials. This technology is ideal for applications requiring absolute precision, such as creating QR codes and Data Matrix for product traceability, or aesthetic engravings that enhance the design and value of items.

LASER MARKING

DOT PEEN MARKING (micro-percussion)



IMPACT MARKING

ROLLING MARKING

ROLLING MARKING

HOT MARKING

ELECTROLYTIC MARKING

INNOVATIVE, RELIABLE AND ACCURATE

GOOD REASONS TO CHOOSE US

Laser marking is the most practical and innovative solution for distinguishing industrial products and thus facilitating their traceability.

It's a highly valued laser engraving solution for metals due to its flexibility, reliable output, and cost savings.

1. SAFETY FIRST

Not all marking lasers are created equal. Automator lasers adhere to all safety standards through the use of physical barriers and mechanical shutters, providing the operator with the highest possible degree of safety.

2. PRECISION ON EVERY MATERIAL

Laser marking is the most practical and innovative solution for marking virtually all surfaces quickly and with maximum precision. Flexible, accurate, and easy to use, Automator laser markers adapt to all industrial processes and applications.

3. MADE IN ITALY

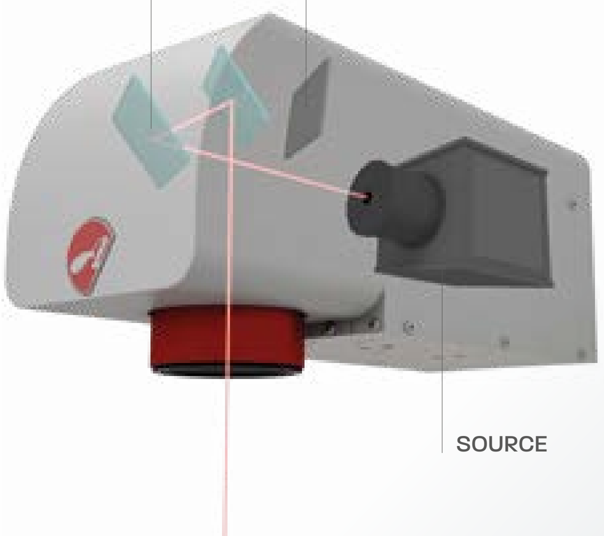
MADE IN ITALY

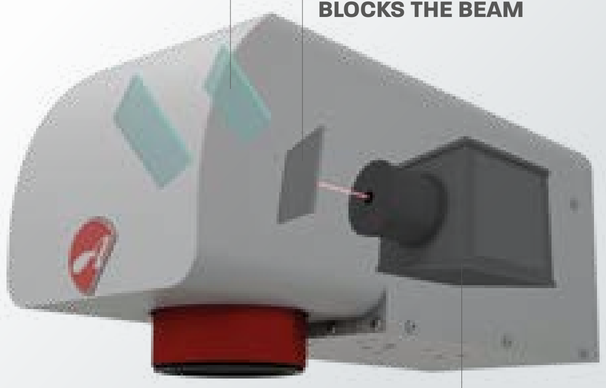
Since 1940, Automator Marking Systems has designed and manufactured its marking machines entirely and proudly in Italy. Even in the industrial sector, the MADE IN ITALY brand is a guarantee of quality, reliability, and long life.

MECHANICAL SHUTTER | SIL3

All our machines are equipped with a mechanical shutter featuring a dual-channel safety sensor (SIL3). SIL3 physically interrupts the laser beam to ensure safe operation of the system.

SHUTTER
SIL3





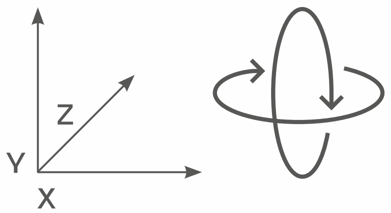
ILLUMINATION OF MARKING AREA BY LASER- INTEGRATED LED

MARKING PREVIEW

Red laser pointer that highlights the marking area directly on the piece to be marked, or by simulating the outline of the marking itself.

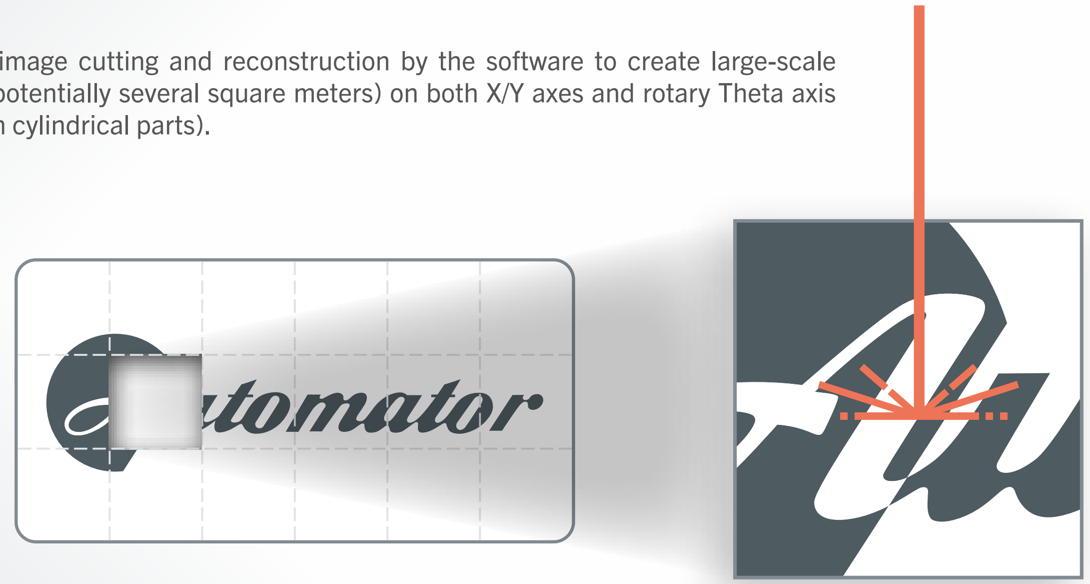
AUXILIARY AXIS CONTROL

Control of up to 32 autonomous and configurable auxiliary axes, both linear and rotary.

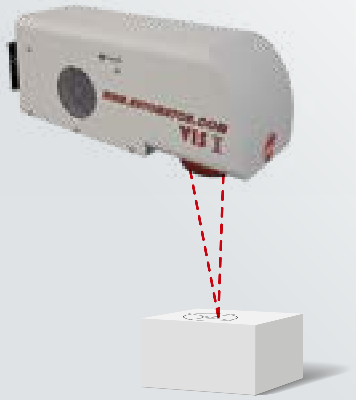


TILING

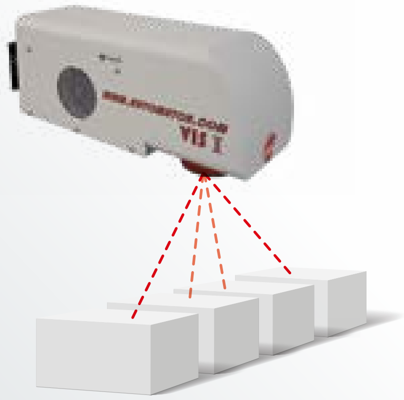
Automatic image cutting and reconstruction by the software to create large-scale markings (potentially several square meters) on both X/Y axes and rotary Theta axis (marking on cylindrical parts).



FOCAL DISTANCE ADJUSTMENT



DUAL LASER POINTER SYSTEM
to visually detect the correct focal distance.



CORRECTION
of variation in workpiece movement.

FOCUS FINDER
software-controlled focal distance measurement system with controlled axis.

VISION:

SWYM

Vision of the marking field (SWYM®, See What You Mark) carried out by means of the laser's micro-telescope that directly frames the work area and offers it as a preview on the PC screen.

Allows you to **POSITION THE PIECE IN A SIMPLE WAY**

MARKING ON THE FLY

MOTF Marking On The Fly

Marking on moving parts
(with input for possible reading encoder).

SERVICE

With our after-sales services, we guarantee the maximum efficiency and long-term durability of your industrial marking machines. Our dedication to quality and customer satisfaction is reflected in every aspect of our technical support. Thanks to our extensive experience and in-depth knowledge of marking systems, we are able to offer tailored solutions for every need.

SERVICE

An expert team at your service. Our highly qualified staff is always ready to offer technical assistance, scheduled maintenance, and rapid resolution of any issues. We understand the importance of keeping your machines operational and performing, which is why we are committed to responding promptly to any need you may have.

Our service

To ensure that our machines always operate at peak efficiency and are used correctly, we offer our clients constant and personalized assistance. From simple technical consultations to extraordinary maintenance, we ensure every intervention is performed with the utmost professionalism.

Remote management

From inside the factory or other facilities, we monitor and manage your machines in real-time, minimizing downtime and optimizing performance.

Remote assistance

From headquarters, our expert technicians are always ready to intervene to solve any problem, offering immediate support and effective solutions.

Remote training

From headquarters, we offer remote training sessions to ensure you make the most of all the features of your marking systems. Our remote training is designed to be flexible and adapt to your needs, ensuring you and your team are always up-to-date on the latest innovations and techniques.

With Automator Marking Systems, you have the certainty of a reliable partner who accompanies you through every stage of the process, from initial installation to daily maintenance, ensuring excellent and lasting results.

REMOTE MANAGEMENT	REMOTE ASSISTANCE	REMOTE TRAINING
from within the factory or from other facilities	from headquarters	from headquarters

EuGENIUS™ Laser Marking Software

THE SOFTWARE DESIGNED AND DEVELOPED SPECIFICALLY FOR OUR LASERS

The **EuGenius Software** has been designed and developed by a highly specialised team at Automator, consolidating the demands of long-term marking know-how from over 70 years.
Versatile in its applications, EuGenius is easy to use, even by operators without specific technical training or CAD knowledge.

KEY FEATURES:

- Multilingual menu
- Diagnosis
- Marking parameter library (sample marking function)
- Prevention of operator error problems through different user levels
- Proprietary communication protocol TCP/IP and RS232
- Quick test for easy identification of the most correct setting parameters
- Automations & object tiling
- "Axes controlled in manual, semi-automatic and automatic mode by software".
- Monitoring of all internal and external signals for easy diagnosis and troubleshooting

MINIMUM PC FEATURES:

- Operating system from Windows 7 64 bit onwards
- LAN network port for connection to the laser (the laser can share a company network)
- No hardware licence required

OPTIONAL EUGENIUS SOFTWARE CAN BE ACTIVATED:

STAND-ALONE MODE

Designed for using the laser without a PC.
Also includes:
- Hardware with binary selection of up to 31 programmes
- External control panel for manual control (optional)
- TTF fonts
- Automatically variable text
- Optional XY, Zeta, Theta axis control
- Programme control via I/O
- Own communication protocol via serial or Ethernet
- All these options can operate simultaneously

FIELDBUS COMMUNICATION PROTOCOLS

(ONLY IN STAND-ALONE MODE)

- Fieldbus, an industry standard for data communication, designed for data collection and control of equipment in industrial systems. CCLink, DeviceNet, Profibus, CANopen.
- Profinet, a technical industry standard for data communication over Industrial Ethernet, designed for data collection and control of equipment in industrial systems.
- ETHERNET IP, a technical industry standard for data communication over Industrial Ethernet, designed for data collection and equipment control in industrial systems. BACnet/IP, CC-Link, IE Field, Common Ethernet, EtherCAT, Ether- Net/IP, Modbus, TCP, Powerlink Pro- finet-IRT.

SQL CLIENT (INDUSTRIA 4.0)

Integrated development environment database software.
This functionality enables the EuGenius software to connect directly to a Microsoft SQL Server, without the need for additional external software, in order to retrieve information on the JOB to be loaded, the quantity and content to be marked, as well as to save the successful marking of the record in the DB itself.
The functionality, thanks to numerous configuration options, guarantees a flexible interface with different working modes that make the interfacing of the marking system with the reference DB user-friendly and secure.

CLASS 4 INTEGRATION LASER

NANOVIS3

A-WAVE

THE COMPACT REVOLUTION OF LASER MARKING

A revolution in the world of laser marking: **NANOVIS3**, with automatic frequency adjustment, marks metals with power up to 20W, allowing for significant economies of scale. The result is economical, high-performance laser marking.

SAFETY CLASS: 4

"ALL-IN-ONE": A HIGHLY INNOVATIVE LASER UNIT

Extremely compact and lightweight, stable and reliable. It includes:

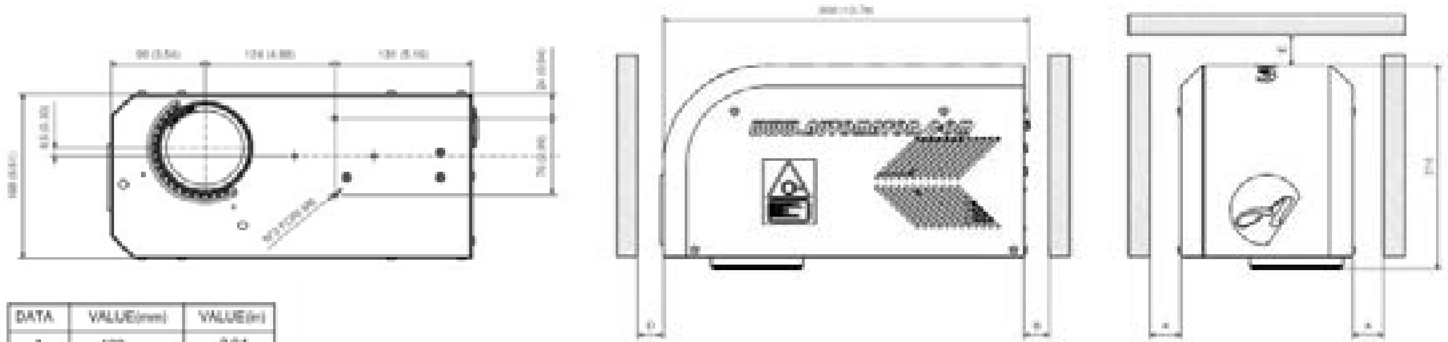
- Galvanometric head
- Laser source
- Electronic components
- Shutter

All housed separately within a modular box that allows for easy access to all these components.

TECHNICAL FEATURES	
Power	Up to 20 W
Tecnology	A-Wave
Wavelength	1060 nm
Beam quality	TEM00
Pulse frequency	Automatic
Aiming laser	Red coaxial laser diode for simulating the marking area (bounding box) or figure outline for help with positioning the part to be marked
Electrical connection	24 Vdc (supplied with external power supply 110-230 Vac 50-60 Hz --> 24Vdc)
Max. power consumption	160 W (a 20° C)
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity from 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight: WxDxH	9.7 Kg
Dimensions	350x168x210 mm

*To choose the lens type, please refer to the "accessories" section.

TECHNICAL DRAWING



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B	200	7.87
C	200	7.87
D	0	0
E	0	0

VISII

10 W
20 W
30 W

EXTREMELY COMPACT AND LIGHTWEIGHT UNIT FOR IN-LINE INTEGRATIONS.

Our optimized marking head is the perfect synthesis of over two decades of excellence in the laser sector. In a single, compact body, we have enclosed the source, electronics, galvo, and optics, creating an 'all-in-one' solution that makes integration, installation, and use incredibly simple. It's innovation born from experience, designed to offer you maximum efficiency with minimal footprint.

SAFETY CLASS: 4

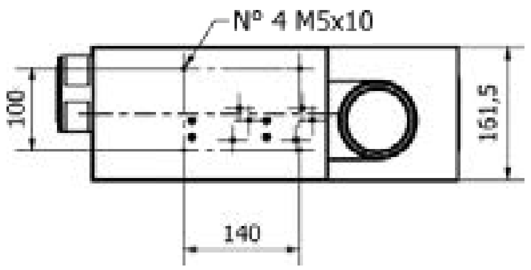
AUTOMATOR'S LATEST GENERATION CLASS 4 LASER SYSTEM

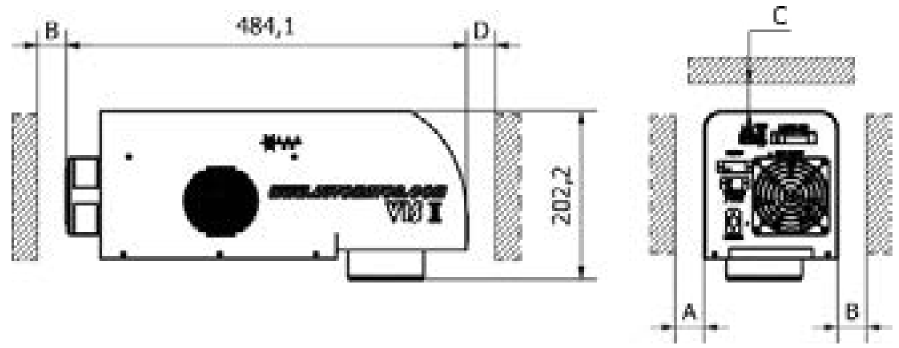
- Available powers: 10- 20- 30 W
- Easy to install and use with the new EuGenius™ marking software
- Up to 32 auxiliary axes and endless combinations for integration with robots or PLC
- Wavelength: 1060 nm

TECHNICAL FEATURES	
Power	10-20-30 W
Tecnology	IVO4
Wavelength	1060 nm
Beam quality	M2 <2.5
Pulse frequency	10 to 70 KHz
Aiming laser	Red coaxial laser diode for simulating the marking area (bounding box) or figure outline for help with positioning the part to be marked
Electrical connection	24 Vdc (supplied with external power supply 110-230 Vac 50-60 Hz --> 24Vdc)
Max. power consumption	210 W (at 20° C)
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity from 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight: WxDxH	12 Kg
Dimensions	484x202x161 mm

*To choose the lens type, please refer to the "accessories" section.

TECHNICAL DRAWING





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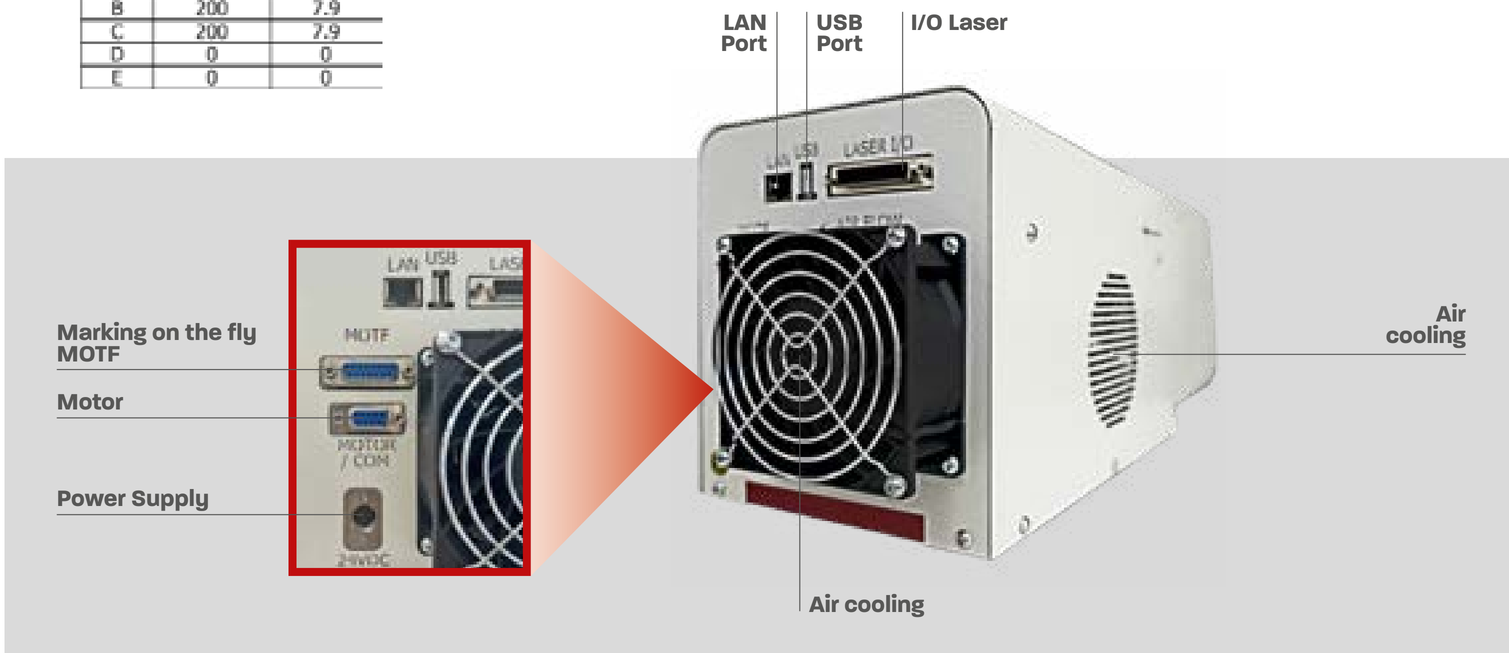


GREENVISII

5 W
10 W

COMPACT AND LIGHTWEIGHT LASER

In a single, extremely compact body, we have integrated the source, electronics, galvo system, and optics. The result is an 'all-in-one' solution that is incredibly simple to integrate, install, and, above all, to use. Cutting-edge technology in a no-compromise design.

SAFETY CLASS: 4

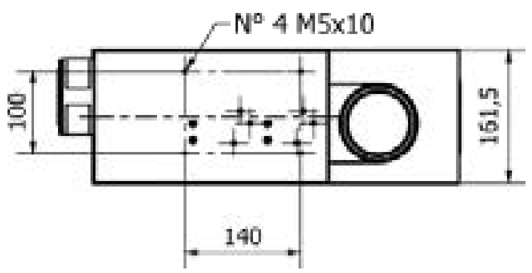
AUTOMATOR'S LATEST GENERATION CLASS 4 LASER SYSTEM

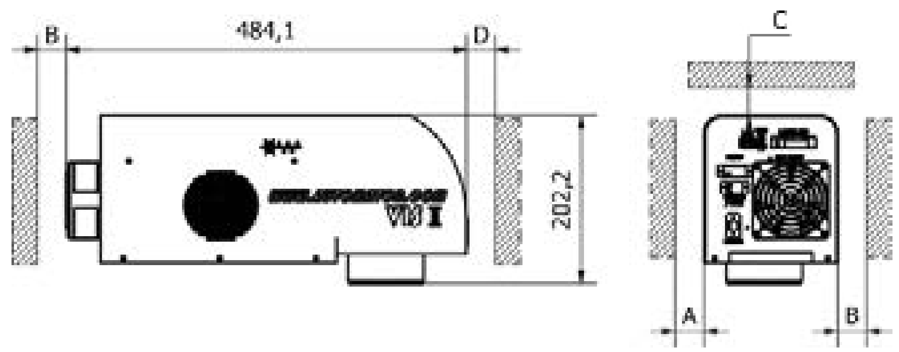
- Standard sources that can be combined: Yag / IVO4 green laser
- Available powers: 5W-10 W
- Standard marking area 110x110 mm (other marking areas available)
- Mechanical shutter, because safety always comes first

TECHNICAL FEATURES	
Power	5 -10 W
Tecnology	IVO4
Wavelength	532 nm
Beam quality	M2 <1.8
Pulse frequency	10 to 70 KHz
Aiming laser	Red coaxial laser diode for simulating the marking area (bounding box) or figure outline for help with positioning the part to be marked
Electrical connection	4 Vdc (supplied with external power supply 110-230 Vac 50-60 Hz -->24Vdc)
Max. power consumption	210 W (at 20° C)
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity from 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight: WxDxH	12 Kg
Dimensions	484x202x161 mm

*To choose the lens type, please refer to the "accessories" section.

TECHNICAL DRAWING





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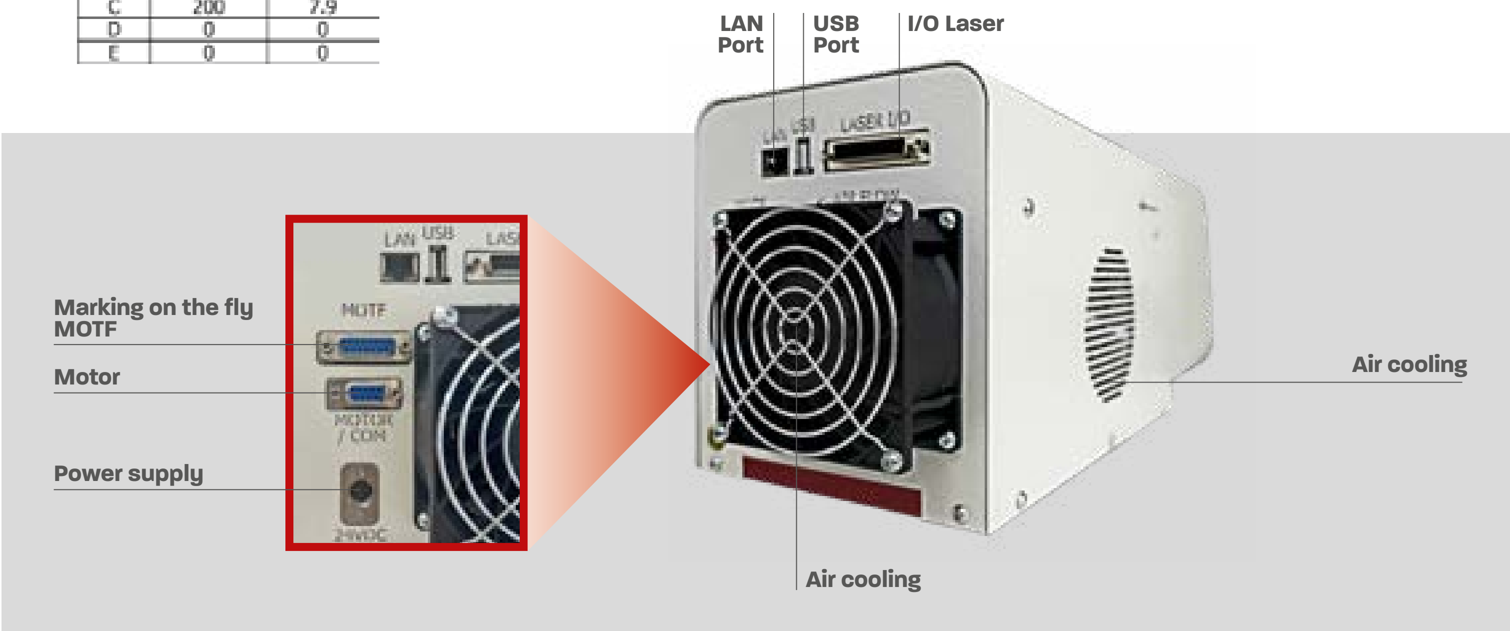


FYBRAII

20 W
30 W
50 W

HIGH-POWER AND PRECISION LASER

FYBRAII generates a laser beam from the source to the head via a flexible fiber cable for high-precision markings. The innovative main block and marking head are designed and optimized to mark, engrave, and deep engrave in heavy-duty work environments where vibrations, disturbances, and dust are commonplace.

SAFETY CLASS: **4**

IDEAL FOR DEEP AND PRECISE MARKINGS

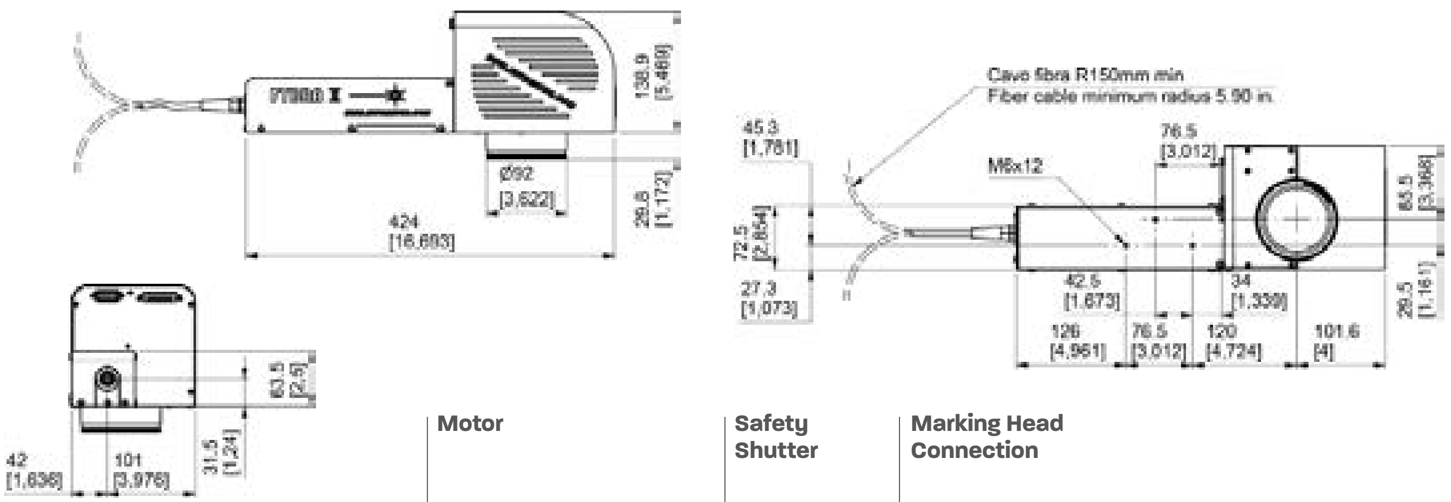
Fyber lasers allow for a significant increase in source power without compromising the size of the laser spot. This ensures a deep and precise marking result at higher powers and a high system efficiency.

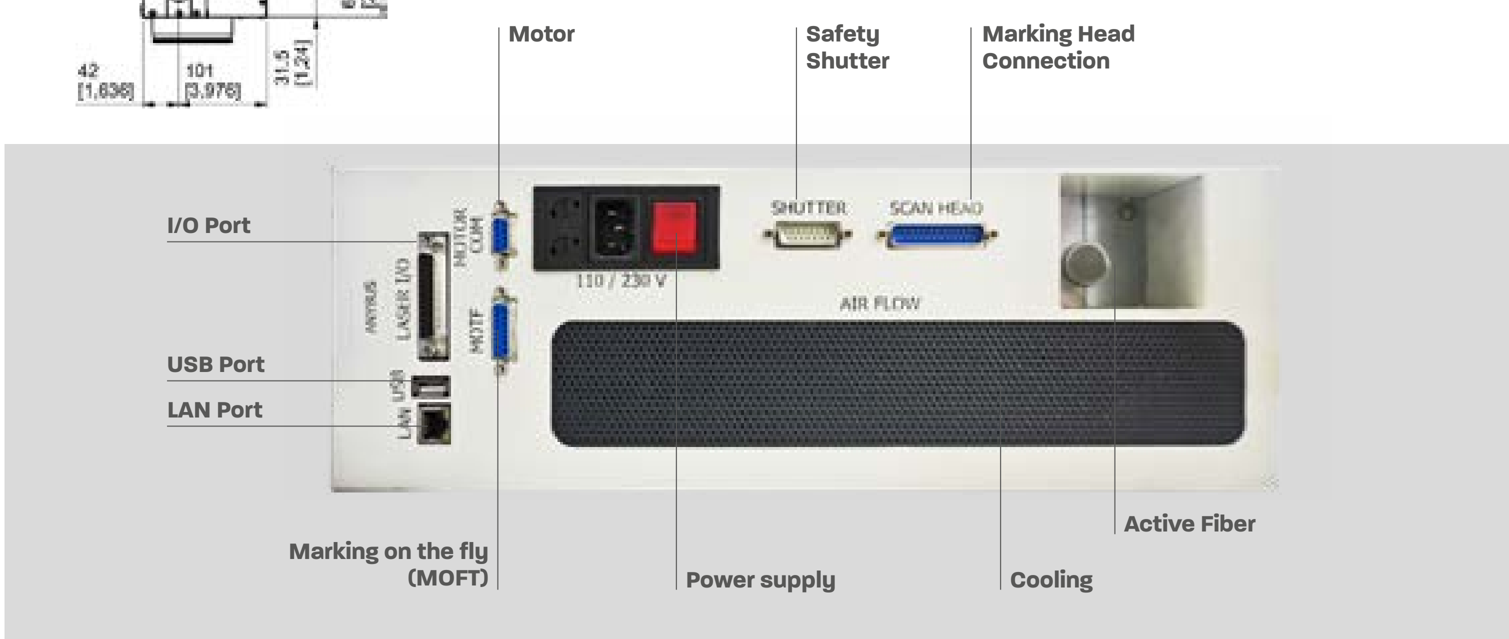
- Easy to install and use with the new EuGenius™ marking software
- Up to 32 auxiliary axes and endless combinations for integration with robots or PLCs
- Maximum safety level with the dual-channel mechanical shutter system

TECHNICAL FEATURES	
Power	20-30-50 W
Tecnology	ACTIVE FIBRE
Wavelength	1060 nm
Beam quality	M2 <1.5
Pulse frequency	20 to 80 KHz
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	500 W
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity from 10% to 85% non-condensing)
Storage temperature	0/60° C
Peso della testa	7 Kg
Peso totale	23.5 Kg
Rack dimensions: LxPxA	497x465x142 mm
Head dimensions: LxPxA	430x168.7x143 mm

*To choose the type of lens, see the 'accessories' section.

TECHNICAL DRAWING





MOPA3

100 W

HIGH-POWER AND ACCURACY LASER

MOPA3 is the laser system designed to excel in the toughest industrial environments. Its laser beam, channeled through a flexible fiber cable, ensures precise markings even in the presence of vibrations, disturbances, and dust. Its true strength? The ability to generate codes and markings in a deep, uniform, and smooth black, offering results with the highest contrast and long-term durability.

SAFETY CLASS: 4

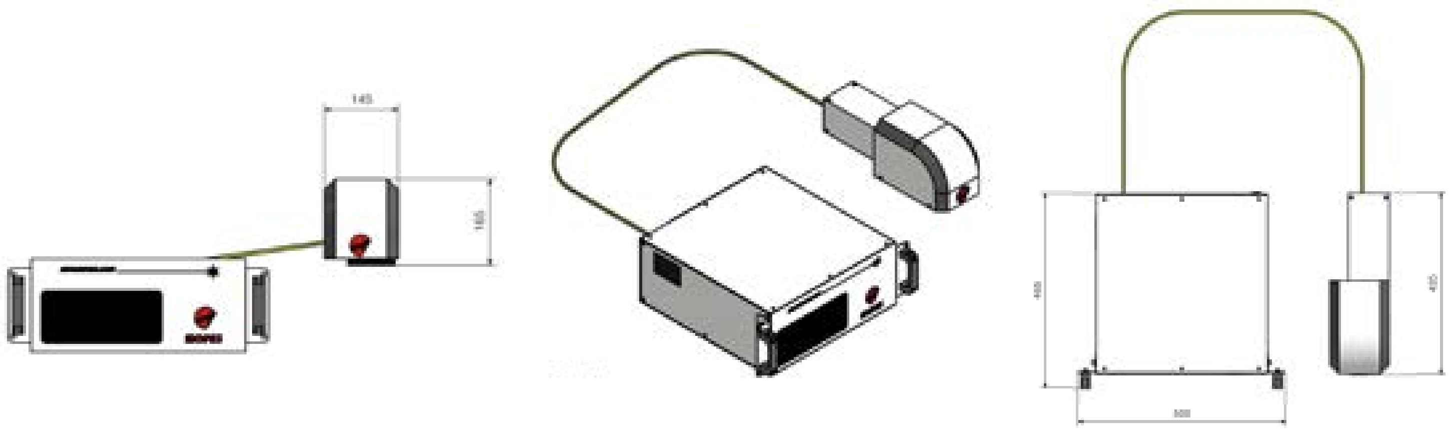
NEW HIGH-POWER AND PRECISION LASER MARKING SYSTEM

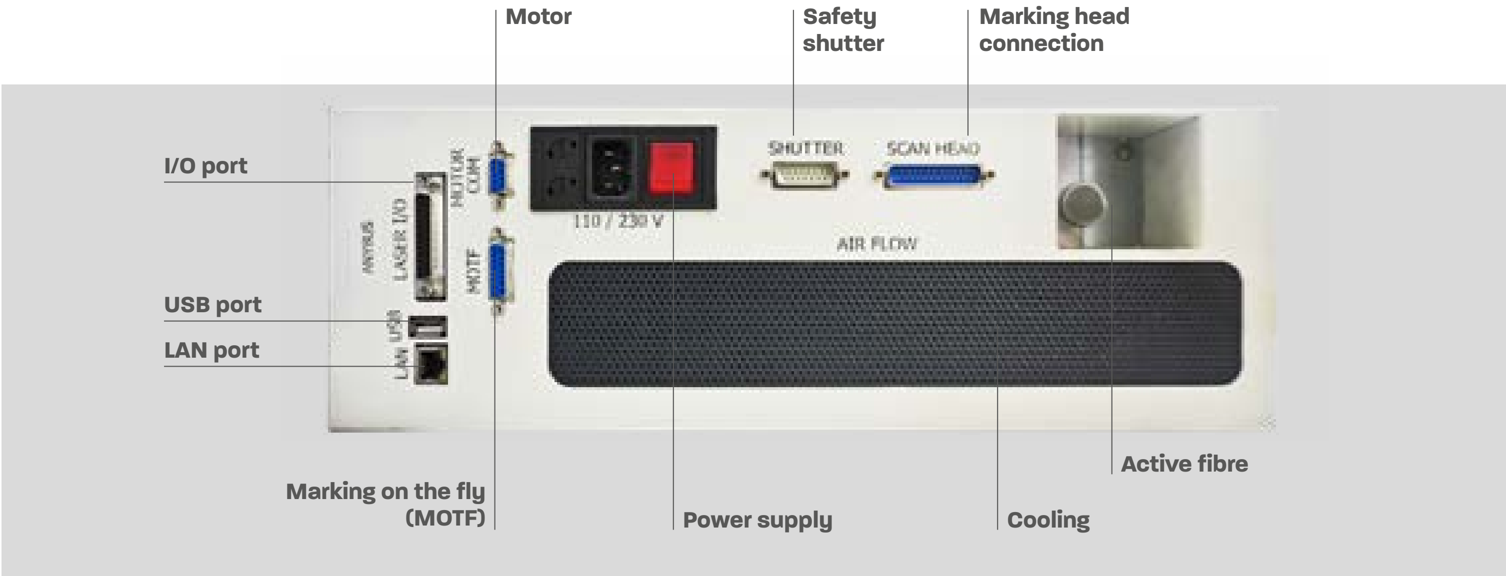
Highly Innovative Laser Marking System:
- Marks colors on steel surfaces
- Achieves perfect black with maximum precision (annealing)
- Perfect for UDI code marking – zero roughness, uniform marking contrasting code marking in perfect, uniform black colour without roughness.

TECHNICAL FEATURES	
Power	100 W
Technology	MOPA
Wavelength 1060 nm	1060 nm
Beam quality M2 <1,8	M2 <1.8
Pulse frequency	10 to 1 MHz
Electrical connection	110-230 Vac 50-60 Hz
Max. Power consumption	650 W
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Head weight	8.3 Kg
Total weight	28 Kg
Rack dimensions: WxDxH	500x465x180 mm
Head dimensions: WxDxH	435x145x165 mm

*To choose the type of lens, please refer to the "accessories" section.

TECHNICAL DRAWING





ALPHAII CO_2

10 W
25 W
50 W
100 W

IDEAL FOR MARKING GLASS, PLASTICS AND ORGANIC MATERIALS

System for in-line integration.
Consisting of source, scanning head, lens and control diagram.

SAFETY CLASS: 4

CO_2 LASER MARKING SYSTEMS

Galvanometric head and standard air-cooled sources available:
- Laser for marking plastics, transparent materials and organic materials

TECHNICAL FEATURES	
Power	10-25-50-100 W
Technology	CO_2
Wavelength	10640 nm
Pulse frequency	0.1 to 20 KHz
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	Consult manufacturer
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Head weight	Consult the manufacturer
Total weight	Consult the manufacturer
Rack dimensions: WxDxH	Consult the manufacturer
Head dimensions: WxDxH	Consult the manufacturer

*To choose the type of lens, please refer to the "accessories" section.

CABINETS AND CLASS 1 PORTABLE LASERS

COLIBRÌ

20 W
30 W

PRECISE AND FLEXIBLE PORTABLE LASER

The **COLIBRÌ** is the safest Class 1 portable laser on the market. It definitively solves the problem of large-sized pieces to be marked, allowing for agile and completely safe marking of bulky objects.

SAFETY CLASS: 1

MODULAR AND COMFORTABLE SYSTEM

The main unit houses the source and the electronic board in two separate areas, so that dust, which might enter through the cooling fans, does not affect the electronic board, which is therefore isolated.

The galvanometers are housed, along with the lenses, in the portable and lightweight head unit. Available in Colibri-L version with F160 lens and Colibri-S with F100 lens.

TECHNICAL FEATURES	
Power	20 W
Technology	MOPA
Wavelength	1060 nm
Beam quality	M2 <1.8
Pulse frequency	10 to 500 KHz
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	500 W
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Head weight	3 Kg
Total weight	23.5 Kg
Rack dimensions: WxDxH	410x487x178 mm

TECHNICAL DRAWING

UBI Basic

5 W

CLASS 1 LASER SYSTEM

Maximum power in a minimal footprint. Our compact and versatile **UBI** laser system was created for small and medium productions. Achieve deep and precise markings on various materials. Place it anywhere on your workbench and start marking with maximum quality.

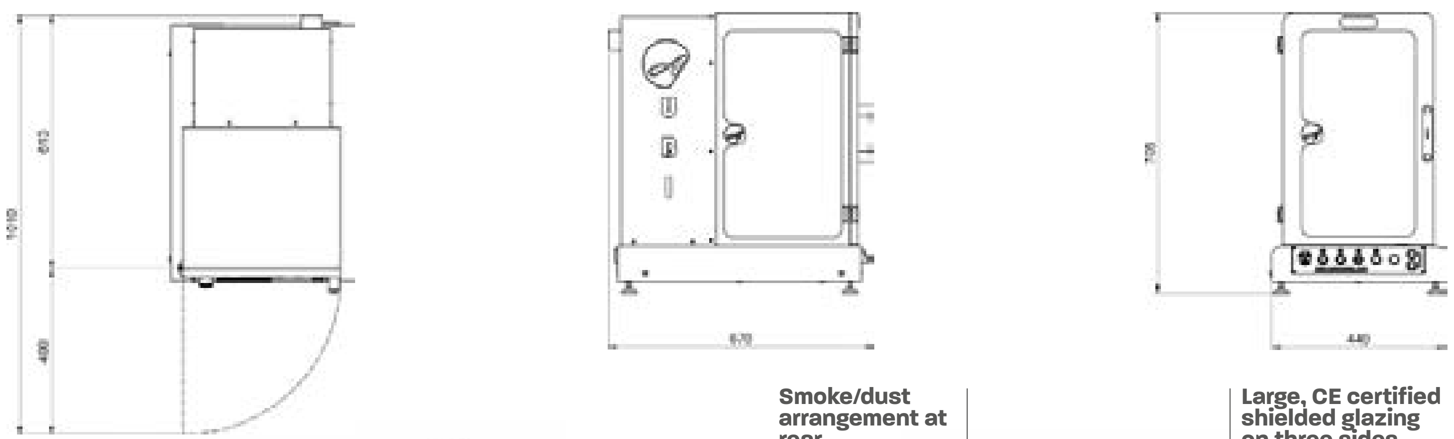
SAFETY CLASS: 1

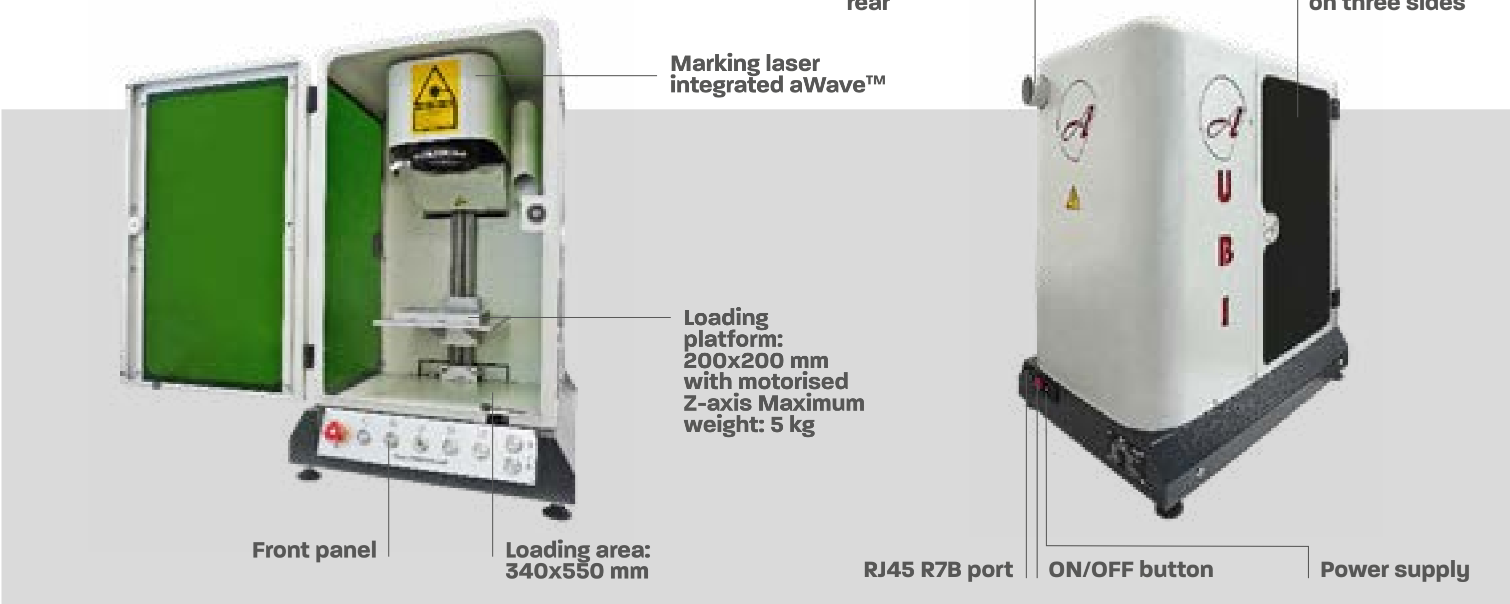
TECHNICAL FEATURES	
Power	5 W
Technology	FIBRA
Wavelength	1060 nm
Beam quality	M2 <1.5
Pulse frequency	1 to 20 KHz
Bounding laser	Coaxial red laser diode for simulation of marking area (bounding box) or figure contour to aid positioning of the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	600 W (at 20° C)
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight	62 Kg
Dimensioni: LxPxA	670x440x705 mm
Loading area	340x550 mm
Door opening	Manual
Z-axis movement	Electrical (manual) - Software-controlled (optional)
Connection to PC	LAN RJ45

AVAILABLE LENSES

MODEL	MARKING AREA	H MAX PIECE
F100	60X60 mm	190 mm
F160	110x110 mm	120 mm
F254	155x155 mm	20 mm

TECHNICAL DRAWING





EOS

5 W
20 W
30 W
50 W

CLASS 1 LASER SYSTEM

The **EOS** laser system for small and medium productions features a Fiber source that enables optimal markings on a wide range of materials. Its external protective structure has ideal dimensions for workbench placement.

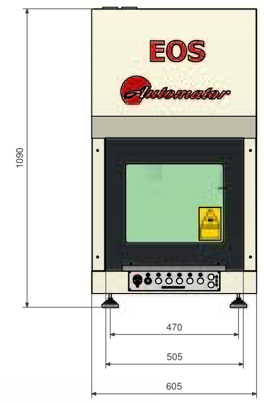
SAFETY CLASS: 1

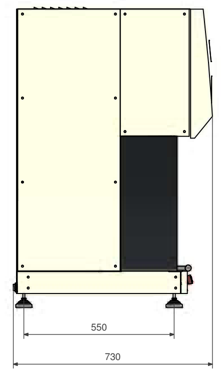
TECHNICAL FEATURES	
Power	5 -20-30-50 W
Tecnologia	FIBRA
Wavelength	1064 nm
Beam quality	M^2 <1.8
Pulse frequency	20 to 80 KHz
Bounding laser	Coaxial red laser diode for the simulation of the marking area (bounding box) or figure outline to help position the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	500 to 650 W (at 20° C)
Cooling	Air
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight	125 Kg
Dimensions: WxDxH	610X660X1091.5 mm
Loading area	460X510 mm
Door opening	Manual/Pneumatic (400 mm)
Z-axis movement	Manual/Electric/Software-controlled
Connection to PC	LAN RJ45

AVAILABLE LENSES

MODEL	MARKING AREA	H MAX PIECE
F100	60X60 mm	400 mm
F160	110x110 mm	400 mm
F254	155x155 mm	300 mm
F330	200x200 mm	150 mm

TECHNICAL DRAWING





PRIMA2

BENCHTOP MARKING SYSTEM

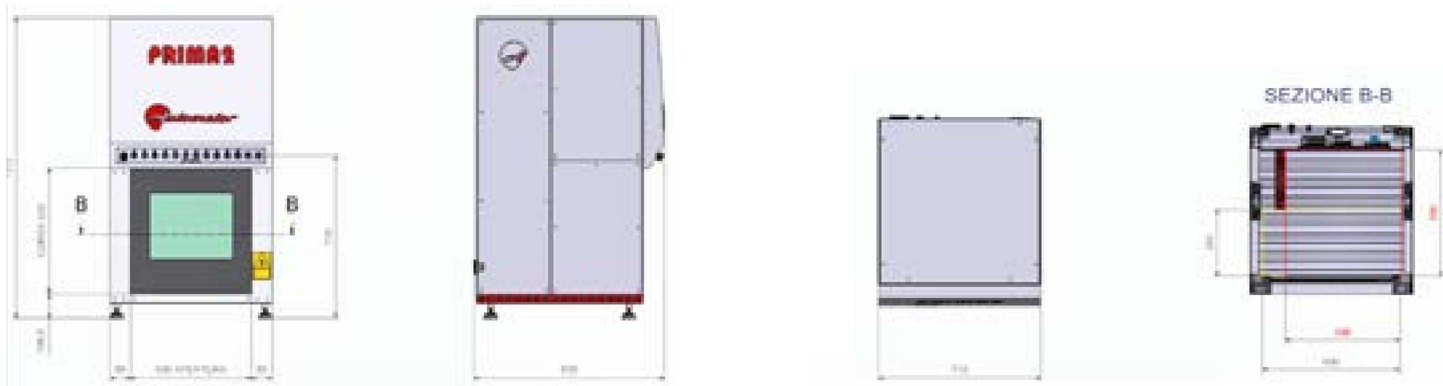
This latest-generation laser system is the ultimate solution for marking large or bulky parts directly in-line or on a workbench. Whether for stamping, engraving, or marking, **PRIMA2** offers exceptional performance on every material, transforming your challenges into opportunities.

SAFETY CLASS: 1

TECHNICAL FEATURES	
Technology	NANOVIS3 - VISII - GREENVISII - FYBRAII - MOPAII - MOPA3
Bounding laser	Coaxial red laser diode for the simulation of the marking area (bounding box) or figure outline to help position the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Max. Power consumption	da 500 a 650 W (a 20° C)
Cooling	Air-cooled
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight	165 Kg
Dimensions: WxDxH	793X1069X1238 mm
Loading area	644X600 mm
Door opening	Manual, Pneumatic (500 mm)
Z-axis movement	Software-controlled
Connection to PC	LAN RJ45

AVAILABLE LENSES		
MODEL	MARKING AREA	H MAX PIECE
F100	60X60 mm	500 mm
F160	110x110 mm	500 mm
F254	155x155 mm	400 mm
F330	200x200 mm	300 mm
F420	300x300 mm	200 mm

TECHNICAL DRAWING



IDEO

A SAFETY CLASS 1 DEVICE

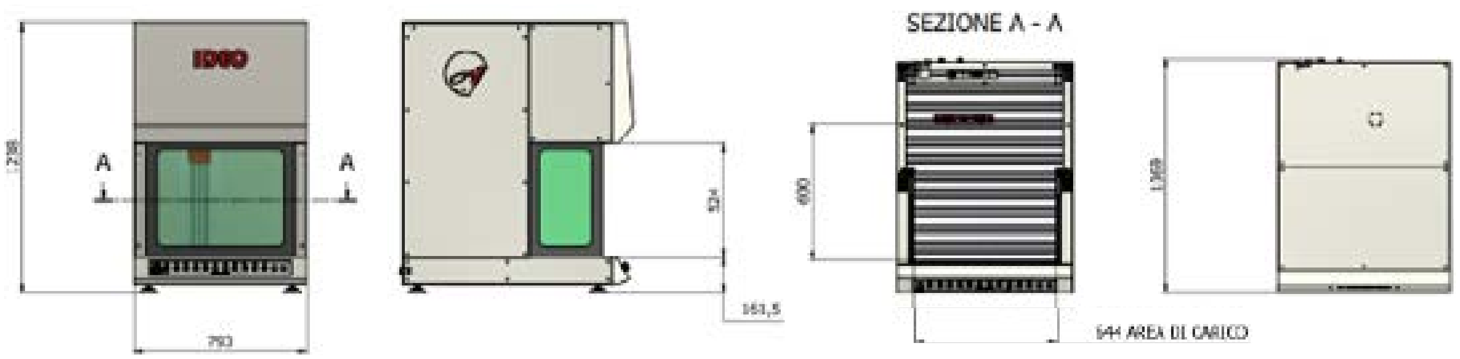
This complete laser marking system, with its compact and stand-alone design, is your ideal production ally. Its large loading area and the front windowed door on three sides, with manual and pneumatic opening, simplify daily operations. Thanks to the software-managed Z-axis (up to 800 mm height) and the optional X-axis with a 300 mm stroke, **IDEO** adapts perfectly to any marking cycle in every industrial application, offering you total control.

SAFETY CLASS: 1

TECHNICAL FEATURES	
Laser type	NANOVIS3 - VISII - GREENVISII - FYBRAII - MOPAII - MOPA3
Bounding laser	Coaxial red laser diode for simulating the marking area (bounding box) or figure outline to aid positioning of the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Beam quality	M^2 <1,8
Pulse frequency	Da 20 a 80 KHz
Bounding laser	Coaxial red laser diode for simulation of marking area (bounding box) or figure contour to aid positioning of the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Max. absorption	500 W (a 20° C)
Cooling	Air
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight	200 Kg
Dimensions: WxDxH	793x1069x1238 mm
Loading area	644X600 mm
Door opening	Pneumatic
Z-axis movement	Electrical (manual) - Software-controlled (optional)
Connection to PC	LAN RJ45

AVAILABLE LENSES	MARKING AREA	H MAX PIECE
F100	60X60 mm	500 mm
F160	110x110 mm	500 mm
F254	155x155 mm	400 mm
F330	200x200 mm	300 mm
F420	300x300 mm	200 mm

TECHNICAL DRAWING



AURA

A SAFETY CLASS 1 DEVICE

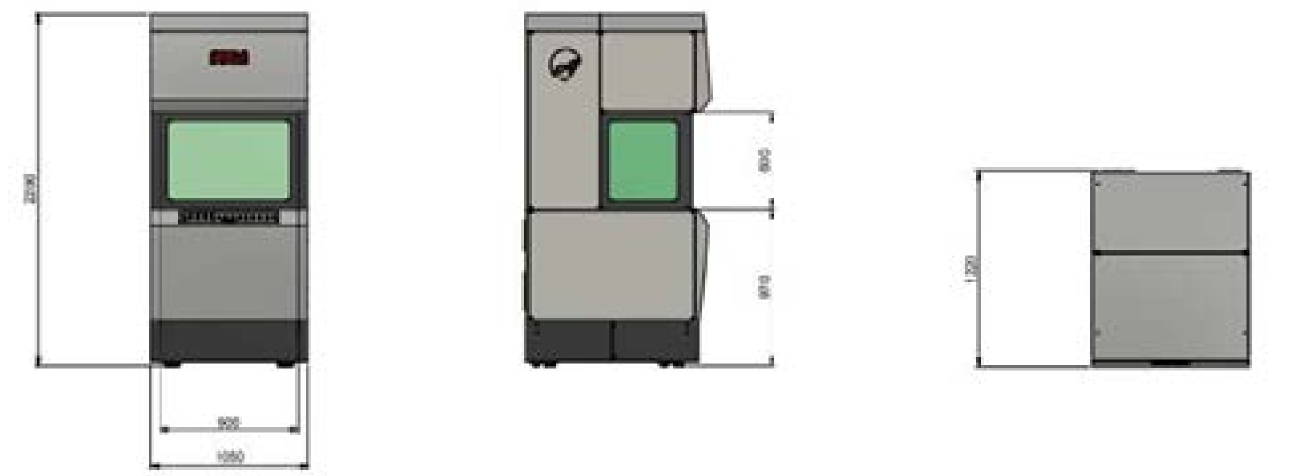
Laser marking system with pneumatic front door and large loading area, with standard X/Y/Z software axis. Designed for medium and large productions, **AURA** is a complete, standalone, flexible, and easy-to-use marking system that can perfectly adapt to simple or massive production line applications.

SAFETY CLASS: 1

TECHNICAL FEATURES	
Laser type	NANOVIS3 - VISII - VISIIGREEN - FYBRAII - MOPAII - MOPA3
Pointing laser	Coaxial red laser diode for simulation of the marking area (bounding box) or figure outline to aid positioning the part to be marked
Electrical connection	110-230 Vac 50-60 Hz
Max. power consumption	da 500 a 650 W (a 20° C)
Cooling	Air
Operating temperature	+15/+35° C (humidity 10% to 85% non-condensing)
Storage temperature	0/60° C
Weight	480 Kg
Dimensions: WxDxH	1050x1220x2200 mm
Loading area	900x450 mm
Door opening	Pneumatic (590 mm)
Z-axis movement	Software-controlled
Connection to PC	LAN RJ45

LENSES AVAILABLE		
MODEL	MARKING AREA	H MAX PIECE
F100	60X60 mm	500 mm
F160	110x110 mm	500 mm
F254	155x155 mm	400 mm
F330	200x200 mm	300 mm
F420	300x300 mm	200 mm

TECHNICAL DRAWING



ACCESSORIES:

THETA AXIS

Auxiliary rotation axis for circumferential marking.

MICRO THETA
Maximum dimensions
piece handled: 90 mm - 0.5 kg

MEDIUM THETA
Maximum dimensions
piece moved: 80 mm - 3 kg

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

LINEAR AXES

Allows the laser to move smoothly in space to mark large surfaces, even at different heights.

FUME EXTRACTOR

Filters the marking area up to 99.9%.

PROXY

Sensor that detects the presence of the workpiece to be marked.

STOPPER

Adaptable jig for positioning workpieces and plates to be marked.

2/4 POSITION ROTARY TABLE

Allows the workpiece to be rotated in an XY plane and workpieces to be loaded while the laser is working on previously loaded workpieces.

CAMERAS

Allows you to frame and view the part to be marked and the marking operations in real time.

OPTICAL BARRIERS

Allow any laser beam to be physically blocked during marking operations (class 1 safety only)

TROLLEY COLIBRÌ

Available with an integrated PC or tablet.

COLIBOX

LASER LENSES FOR INTEGRATION

LASER LENSES A 532 nm/1060-1064 nm		
MODEL	**MARKING AREA**	**FOCAL LENGTH** (+ - 2%)
F100	60X60 mm	120 mm
F163	110x110 mm	190 mm
F254	155x155 mm	290 mm
F330	200x200 mm	380 mm
F420	300x300 mm	460 mm

LENTI PER LASER A 10.640 nm		
MODEL	**MARKING AREA**	**FOCAL LENGTH** (+ - 2%)
F100	70X70 mm	100 mm
F200	140x140 mm	230 mm
F300	210x210 mm	350 mm
F435	300x300 mm	500 mm

MARKINGS ON EVERY SURFACE

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