

EOS



Laser marking system



Software **EUGENIUS™**
Laser Marking Software



Safety Class **SIL3**



Laser marking system with front door with dimensions of 500x440mm with manual opening, available with Z-axis at standard height 300mm driven by standard 24V motor. EOS is a SIL3 Safety Class 1 device. EOS requires a Windows PC, not included by Automator.



CONFIGURATION

Standard laser source
- Fybra III



PC (not included)



OPTIONAL
Fume/dust extractor



Power supply
100/240V 50/60Hz

OPTIONAL
THETA
rotary axis



OPTIONAL
THETA
medium axis
rotary axis



OPTIONAL
THETA
micro axis
rotary axis



TECHNICAL DATA

Dimensions: LxWxH (mm)	600x720x1100
Cabin weight (kg)	125
Loading area LxW (mm)	440x500
Maximum markable workpiece height (mm)	See table below
Optical isolator	Yes
Work area lighting	Yes
Tailgate opening	Manual
Z-axis power supply	electric
Operating temperature (°C)	+15 - 32
Storage temperature (°C)	+5 - 14
Humidity (%)	30 - 85
Cooling	Air
Connectivity	Power supply - RJ45 socket
Directive 2011/65/EC - Restriction of Hazardous Substances (RoHS)	Respectful
Security class	1
MTBF (operating hours)	100,000
IP coating certification: (CEI70-1)	30
Optional axes	THETA standard axis / THETA medium axis / THETA micro axis

AVAILABLE LENSES AND FOCAL LENGTHS

F160/F254 standard lens	Marking area 110x110 mm / 155x155 mm	Max. markable height 300 mm
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VERTICAL AXIS

EOS mounts a 24 V motorised Z-axis with 300 mm travel.

ACCESSORIES

- Standard Theta axis or Medium Theta axis
- Fume extractor
- F160 - F254 lens
- Communication protocols: Tcp/Ip, RS232

RED POINTING DIODE

Inside the cabinet, the laser source is equipped with a visible red light at 632 nm (class III), with a power of approximately 2 mW, used as a pointer, to preview the work area directly on the surface of the workpiece.

EUGENIUS SOFTWARE™

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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.

- Multilingual menu
- Datamatrix' barcode management, 2D code, QR code, PDF code
- Easy import of DXF vector drawings
- Easy import of BMP, JPEG, JPG, GIF raster graphics
- Full set of laser parameters such as laser speed or power
- Texts, text arcs, text on curved lines
- Lines, rectangle, polygon, circle and arc
- TTF Font® (Windows property)

- Graphic Preview
- Texts with date, serial numbers, shift codes and year/month/day
- Marking with filling or profile only
- Template (object to be marked as background)
- Scaling, movement, rotation, group creation of each object on screen
- Quick test for easy identification of the most correct setting parameters
- Automation & object tiling
- External axis controlled by software
- Shutter control
- Easy diagnosis for troubleshooting

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