

PRIMA 2



A laser marking system with a front door measuring 500x500mm with manual or pneumatic opening, available with a standard 800mm high Z axis driven by a standard 24V motor or a software-controlled motor. PRIMA 2 is a complete, flexible and easy-to-use marking system that can be perfectly adapted to various applications. It is a SIL3 Safety Class 1 device. PRIMA 2 requires a Windows PC, not included with Automator.



CONFIGURATION



PC (not included)



Standard laser source

- aWave™ III
- IVO4
- Intra
- Verde
- Fybra



OPTIONAL
THETA axis
rotating axis



OPTIONAL
Medium
THETA axis
rotating axis



OPTIONAL
Smoke/dust extractor



Electrical power supply
100/240V 50/60Hz

TECHNICAL DATA

Dimensions: LxWxH (mm)	710x830x1310
Cabin weight (excluding laser) (kg)	150
Loading area LxW (mm)	500x550 / 600x290 (see technical drawing)
Maximum height of markable workpiece (mm)	See table below
Optical isolator	Yes
Working area lighting	Yes
Hatch opening	Manual / Pneumatic
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
2011/65/EC Directive - Restriction of Hazardous Substances (RoHS)	Compliant
Safety Class	1
MTBF (Hours of Operation)	100000
IP enclosure certification: (CEI70-1)	30
Optional axes	THETA standard axis / THETA medium axis / THETA micro axis

AVAILABLE LENSES AND FOCAL LENGTHS

F100 optional lens	60x60 mm marking area	700mm maximum markable height
F160 standard lens	110x110 mm marking area	530mm maximum markable height
Optional lens F254	155x155 mm marking area	430mm maximum markable height
Optional lens F330	200x200 mm marking area	330mm maximum markable height
Optional lens F420	300x300 mm marking area	260mm maximum markable height

VERTICAL AXIS

PRIMA 2 mounts a Z-axis with 800 mm travel, motorised at 24 V or controlled by software.

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 working area directly on the surface of the workpiece.

SOFTWARE EUGENIUS™

The EuGenius™ Software has been designed and developed by a highly specialised team at Automator, based on our know-how in long-term marking and requests from our customers. Versatile in application, EuGenius™ is easy to use, even by operators without specific technical training or CAD knowledge.

- Multilingual menus
- Datamatrix™ barcode, 2D code, QR code, PDF code management
- 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
- Text, text arcs, text on curved lines
- Line, rectangle, polygon, circle and arc

ACCESSORIES

- Asse Theta rotante, Asse medium Theta o Asse micro Theta
- Posizionamento ripetitivo targhette
- Aspiratore fumi
- Lente F100 – F160 – F254 – F330 – F420
- FocusFinder
- Protocolli di comunicazione: ProfiBus, Profinet, Ethernet IP
- Doppio puntatore

- TTF Font® (Windows properties)
- Graphics preview
- Texts with date, serial numbers, shift codes and year/month/day
- Markings with fill or outline 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
- Automations & object tiling
- External axis controlled by software
- Shutter control
- Easy diagnosis for troubleshooting

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