

GIOTTO

Laser System

MARKING

ENGRAVING



GIOTTO CO₂ 2 ASSI

Standard



Compact

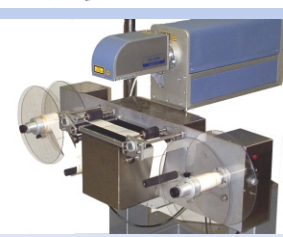


LA TECNOLOGIA LASER ITALIANA NEL MONDO

COMPANY
WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
=ISO 9001:2000=

GIOTTO

CO₂ 2 ASSI



Giotto CO₂ 2 AXES is a highly reliable laser marking unit equipped with a two axis galvo head and with CO₂ sealed laser sources (10+115W). Its main application field is the marking of different materials such as marble, anodised aluminium, wood, glass, methacrylate, textiles, leather etc. and every material interacting with the typical wavelength of CO₂ laser sources. The combined performances of cutting/kiss cutting and marking are also executed on thin materials such as wood, paper, leather and textiles.

Giotto 2 AXES disposes of a series of ancillary equipments for an easy use:

- System of optic adjustment of the fire distance (dynamic beam expander)
- Class 1 enclosure
- Motorised Z axis
- Label unwinding/ winding system
- Automatic loader for pens and gadgets

Giotto 2 AXES ON THE FLY is configured for faster marking speed demanded by the packing industry to codify batches, to mark expiry dates etc. It replaces the most common traditional ink jet marking systems and ensures such advantages as indelible marking, flexible codifying, reduced running costs as well as a cleaner system.

Giotto 2 AXES COMPACT is the evolution of the basic system. It has been developed on the basis of the latest laser technologies available. It matches features of extremely compact sizes with a range of high power (60W and higher).

Giotto 2 AXES is driven by a Personal Computer and by the software ICARO- Windows. The user can easily change. The work parameters such as power, frequency, marking speed so that the required work performance is obtained. Graphics in different CAD formats (*.plt, *.dxf, *.pcx, *.bmp, *.mcl, besides machine formats) can be imported and the text can directly be changed (all the fonts are used) graphic editing operations are also possible.

TECHNICAL SPECIFICATIONS

Laser source

Technology:
Nominal power:
Frequency:
Cooling unit:

Laser source CO₂, Pumping by Radio Frequency
30, 60, 100, 115W
0+20 Khz
air cooled

Scanning head

Technology:
Focal unit: mm
Marking area: mm
Work distance: mm
Spot:
Writing speed (linear):
Writing speed (font 3 mm):
Positioning speed:

RAM 8

2 axis Galvanometric
RAM8=RAM15 F-Theta 75, 100, 200, 300, 400mm
RAM8=RAM15 40x40, 60x60, 120x120, 180x180, 300x300mm
RAM8=RAM15 ~75, ~100, ~200, ~300, ~440mm
RAM8 ~180, ~240, ~460, ~730, ~840, **RAM15** ~120, ~160, ~260, ~380, ~520 mm
RAM8 >2.5, >3, >6, >8, >10, **RAM15** >1.5, >2, >4, >6, >8 m/s
RAM8 200, 300, 600, 800, 800car/s **RAM15** N.D.
RAM8 ~5, ~7, ~15, ~20, ~20m/s, **RAM15** ~5, ~5, ~10, ~15, ~15m/s

RAM 15

Operating temperature:
Relative operating temperature:
Storage temperature:

10+40° C
10+85% RH max, non-condensing
-10+70° C (H₂O empty circuit)

System

Control:
Sw:
Files:
Interface:
Laser safety norms:
Options:

DSP microprocessor card, 128 MB RAM, Ethernet LAN 10/100 Mbit/s.
Windwos98, 2000, XPPRO, ICARO CAM SW
PLT, DXF, BMP, PCX, TIFF, JPEG, GIF MCL, etc.
Lan net, serial RS 232/485, I/O digital, Encoder
CLASS 4, CEI EN 60825-1
Z axis, Rotary table Class1, Rotary attachment 360° Enclosure CLASS 1, dynamic beam expander.

SEI S.p.A. reserves the right to change the technical data and photos without any previous

CAUTION !!
INVISIBLE LASER RADIATION.
AVOID EYE OR SKIN EXPOSURE
TO DIRECT OR SCATTERED RADIATION.
CLASS 4 LASER PRODUCT

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