

# GIOTTO

Laser System



# Paper Blaster



LA TECNOLOGIA LASER ITALIANA NEL MONDO

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

# Paper Blaster



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**Giotto CO<sub>2</sub> 3 AXES** is a cutting/marking system equipped with a 3 axes galvo head and with a sealed laser source. Thanks to a medium/big work size (200x200mm/500x500mm) it enables to mark materials such as marble, anodised aluminium, wood, leather, fabrics, methacrylate etc. Its main features are fast execution speed and flexibility. Thin materials such as wood, paper, leather, textiles can be both cut and marked. Giotto disposes of a series of options for an easy use.

**Paper Blaster**, is equipped with an automatic paper feeding system and a paper loader with a loading capacity up to 350mm thickness. It enables to process paper with a weight from 120 to 300 grams, execution speed up to 1000 cycles/ hour (execution time laser excluded), processable paper formats A5/A4/A3/A3+. It disposes of a red diode pointer for an easy selection of the work area.

The work cycle is automatic and complies with the laser safety standards thanks to a completely guarded work area and safety interlocks, shutters and emergencies.

Paper Blaster, is driven by a Personal Computer and by the software CAM ICARO - Windows. The user can easily change the work parameters such as power, frequency, marking speed so that the requested effect 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).

## TECHNICAL SPECIFICATIONS

### Laser source

Technology: CO<sub>2</sub> Sealed laser source with Radio frequency  
 Laser powers available: 60-115-230-350W  
 Frequency: 60 W=0+25 Khz 115-230-350 W=0,1+50KHz  
 Cooling unit: Closed loop chiller

### Marking haed

Technology: 3 axes galvo with dynamic focusing  
 Work area: A5 + A3+  
 Spot diameter: 150 µm + 400 µm  
 Work distance: 250 mm + 550 mm  
 Writing speed vector: 3 m/s  
 Writing speed raster: 5 m/s  
 Positioning speed: 5 m/s  
 Laser Preview: 630+650 nm, 3 mW  
 Operating temperature: 10+40° C  
 Relative operating humidity: 10+85% RH max, non-condensing  
 Storage temperature: -10+70° C (H<sub>2</sub>O empty circuit)

### System

Electronic control: DSP, 128 MB RAM, Ethernet LAN 10/100 Mbit/s.  
 SW: Windos98, 2000, XPPRO, Icaro Cam Sw  
 Files: PLT, DXF, BMP, PCX, TIFF, JPEG, GIF, MCL, etc.  
 Interface: LAN ,Serial RS232 / 485 , I/O digital, Encoder  
 Dynamic Z axis: Electro optic system for fire distance and marking area selection

Laser safety norms:

Laser system CLASS 4, CEI EN 60825-1



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