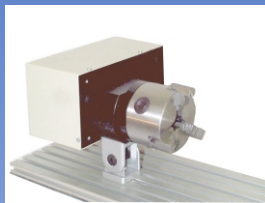


# GIOTTO



**Giotto** is a compact laser unit which can be utilized as an efficient laser work station or integrated in a production -line. The marking unit is composed of a rail containing the electronic control , the laser source , the 2 axis galvo head and the cooling system.

Giotto can be equipped with different accessories so that performances such as the dynamic control of the firing point can be improved. In addition it can be supplied in different configurations however always maintaining compliance with the international norms on laser safety such as CEI EN 60825-1.

Giotto is driven by a Personal Computer and by SEI's user friendly software, namely *ICARO* -Windows 98.

The user can easily change the working parameters such as power, frequency and marking speed so that the requested working performance is obtained. Graphics in different CAD formats (\*.plt, \*.dxf, \*.pcx, \*.bmp, \*.mcl, besides machine formats) can be imported and text can be changed directly by means of on screen True Type fonts entering.

**Giotto Co<sub>2</sub>** is designed to mark wood, paper, leather, textiles, marble, anodized alu ect. In addition to that it can be implemented in the packing industry for applications requiring on" the fly code" performances . The traditional ink jet performances are therefore replaced by a marking system which ensures an indelible mark, flexible codifying, reduced running costs as well as a "cleaner" system.

**Giotto DPSS** (diode pumped) is a Nd :Yag marking unit with high performances at a very affordable price. Due to its flexibility, its technical features, compact design and reliability it can be utilized both as an efficient work station and integrated unit in production lines

CARATTERISTICHE	GIOTTO CO2	GIOTTO Nd:YAG
Power:	10 - 25 - 50 W sealed-off	10 W DPSS
Head:	2 axis galvo	2 axis galvo
Pumping:	Radio Frequency	Laser diode arrays
Frequency:	0 ÷ 20 KHz	0,5 ÷ 50 KHz
Focal unit:	75, 100, 200 mm	100, 163, 254 mm
Useful working area:	40x40, 60x60, 140x140 mm	30x30, 110x110, 180x180 mm
Spot:	180 ÷ 900 µm	20 ÷ 80 µm
Writing speed (linear)	max >8m/s	max >6m/s
Writing speed (character)	max >1000 ch/s	
Positioning speed	max ~20 m/c	max ~15 m/c
Quality	TEM00 =95% purity	<10(M2)
Control:	Personal Computer	Personal Computer
SW:	ICARO, Windwos98	ICARO, Windwos98
Files:	PLT (HP.GL), DXF, BMP, PCX, Formats machine	PLT (HP.GL), DXF, BMP, PCX, Formats machine
Mechanics:	IP53+sealed laser tube	IP53+sealed laser tube
Laser safety norms:	CEI EN 60825-1	CEI EN 60825-1
Cooling unit:	Closed loop chiller:	Closed loop chiller:
Options:	Z axis, Working table 700x700 mm, Rotary table Class 1 Rotary attachment 360° Enclosure CLASS 1 Dinamic Beam-Expander	Z axis, Working table 700x700 mm, Rotary table Class 1 Rotary attachment 360° Enclosure CLASS 1 Dinamic Beam-Expander



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