

# H-TYPE CO<sub>2</sub>

*New Generation Machine*

The MILESTONE for Cutting - Marking Laser Systems  
Up to 8g Acceleration - 4 m/s Speed



*World  
Premiere*



LA TECNOLOGIA LASER ITALIANA NEL MONDO

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



CUTTING - MARKING LASER SYSTEMS

# H-TYPE

## H-TYPE (Patent Pending)

A milestone in the field of laser cutting and marking systems.

The **revolutionary** hi-tech "H-Type" patented by SEI S.p.A. (04 brushless motors interpolated at the same time) offers excellent performances, such as acceleration up to 8g and speed up to 4 m/s.

H-TYPE is the right tool for the production of technical components, gadgets, displays, inlay works, embroidery, decorations, converting etc.

H-TYPE disposes of a wide upper front, the front and rear panel are removable for easy loading/unloading operations even with big sized materials.

H-TYPE complies with the strictest international safety standards (CE, IEC825-1).

### TECHNICAL SPECIFICATIONS

Work area:	1000x700 mm
Work support:	1100x800 mm
Pass trough width:	1100 mm (rear and front doors open)
Overall dimensions WxLxH:	1900x1600x1150 mm
Cutting head excursion Z direction:	30 mm
Maximum material load:	40 Kg/mq
Machine weight:	400 Kg (whit 100W laser)
Sheet material maximum width:	840 mm
Table excursion (Z direction):	90 mm
Max Material thickness:	90 mm + 100 mm whitout vacuum tank
X Y maximum speed:	Vector 3 mt/s / Raster 4 mt/s
X Y maximum acceleration:	Vector 4G / raster 8G (only X axes)
Accuracy:	+/- 0,1 mm on the whole area
Repeatability:	+/- 0,05 mm
Resolution:	Up to 1200 DPI/LPI raster (independently settable)
Motorisation:	X Y gantry with brushless motors (flying optics)
Up to 5 axis control system	X, Y, Z, rotary attachment, conveyor
Interface: *	Personal computer: IBM compatible, Esternal PC (not included), Ethermer LAN network 10/100 Mb/s, machine keyboard for START/STOP, laser On signal led.
Control:	Windows 98, NT, 2000, XPPRO, "ICARO" CAM SW
Power supply:	230V single phase 50-60 Hz
Compressed air:	25-50 l/min. 5 bar (max)
Suction: **	UPPER/LOWER independently settable system
Safety:	Class 1 safety enclosure (standard)
Laser sources available - CO <sub>2</sub> sealed:	25 to 240W
Focal units:	2,5" (standard), 1,5", 3,75", 5"(option)
Focusing system:	Computer controlled and programmable (servo controlled Z axis)
Main options:	Conveyor unwinding system, lodign-undlodng table, Rotary attachment, Exhaust system, Rumble-pad wire-less.

\* PC not included.  
\*\* SUCTION PUMP not included.

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

LASER PRODUCT  
CLASS 1

SEI S.p.A.

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