

GIOTTO CO₂ 3 AXES **OEM**LINE

THE LATEST GENERATION OF LASER CUTTING AND MARKING SYSTEMS PROVIDING EXCELLENT VALUE FOR MONEY WITH OUTSTANDING LASER SPOT QUALITY AND WORKING AREAS UP TO 1600X1600 MM



- The **OEM** line developed by SEI Laser is the latest range of products exploiting cutting edge laser technology for industrial applications as well as SEI Laser know-how. It is the right solution for integrating laser technology into both on line and vertical systems.
- As well as HW and SW support, SEI laser R&D works out solutions and applications to meet the requirements of a wide range of different industrial fields.
- Part of the SEI Laser **OEM** line, **GIOTTO CO₂ 3 AXES** is a cutting and marking system with outstanding performance in terms of dynamics, acceleration on small-medium sized work areas coupled with an extremely smallest spot size. Its main application fields are converting, die-cutting, textile, footwear, leather, paper converting, electronic, lighting (LGP-Backlight) and automotive (technical textiles) with work areas up to 1600x1600 mm.

THE LASER WAY





Easy opening - Flexible packaging



Kiss cutting-Perforation



Paper Converting



Packaging



Paper Converting



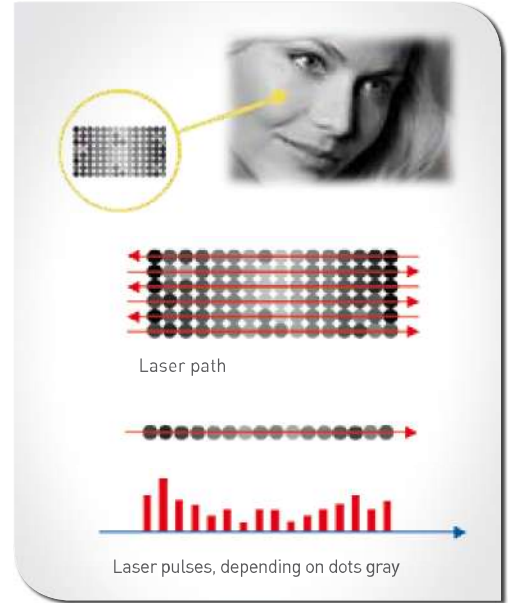
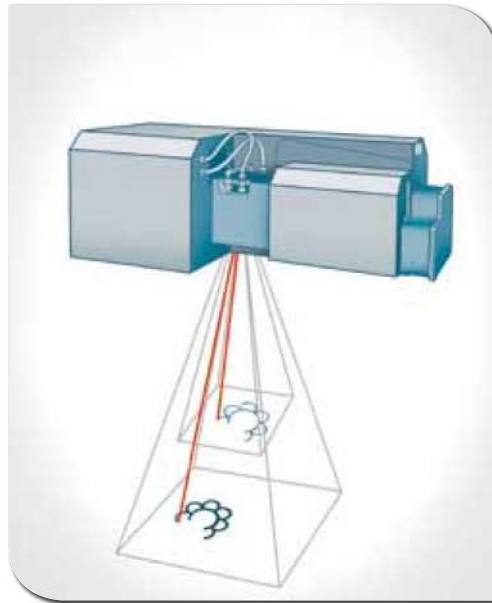
Leather-Garments

SEI Laser **GIOTTO CO₂ 3 AXES** is the right answer to the production flexibility required by the digital market nowadays.

GIOTTO CO₂ 3 AXES is a laser marking system with CO₂ "sealed off" technology operating in 10600 nm (available with different wave-

lengths) developed to be easily integrated into production lines.

A further feature of **GIOTTO CO₂ 3 AXES** is its optics made up of a galvo unit and three interpolated axes. It ensures the highest beam focusing quality even on very large areas.



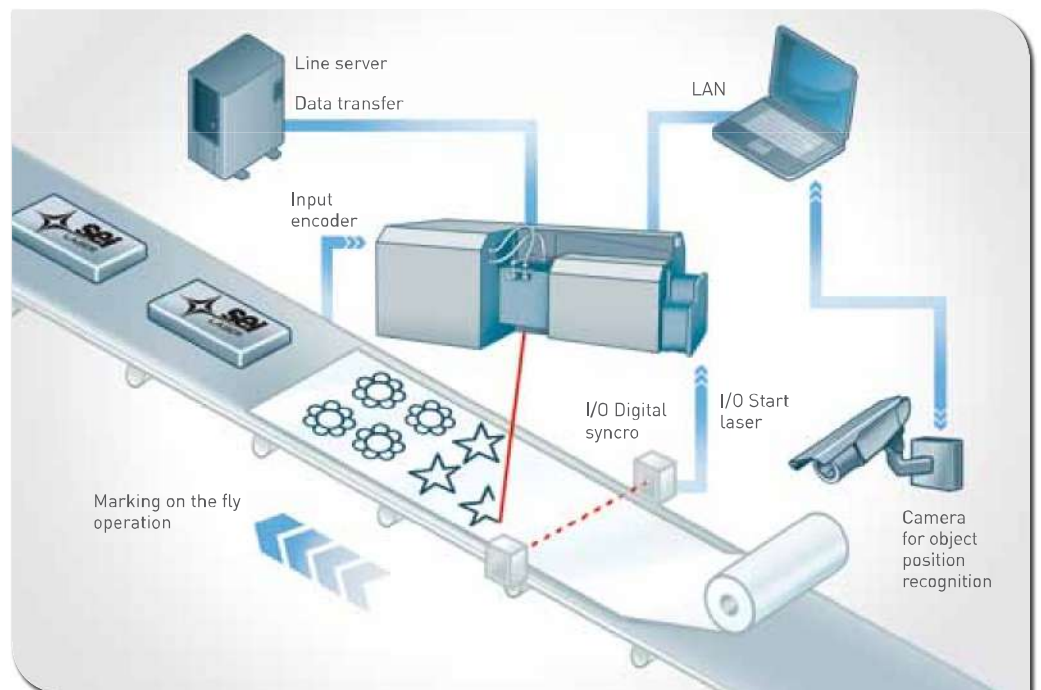
■ **WORKING AREAS**

Min. Area = 200 x 200 mm
 Working distance = 230 mm
 Spot diameter = 190 µm

Max. Area = 1600 x 1600 mm
 Working distance = 2200 mm
 Spot diameter = 1500 µm

■ **HI END GRAY-TONES (LASER ENERGY MODE)**

To perform remarkable photorealistic bitmaps at high marking speed



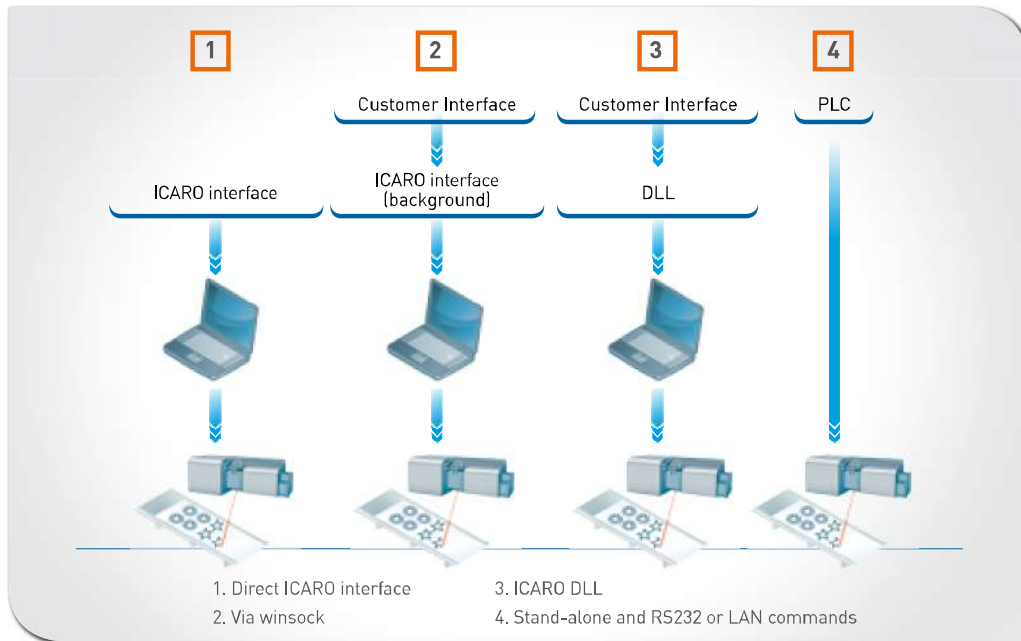
■ **MARKING ON THE FLY**

Enhance any production line with maximum productivity

Thin materials compatible with CO₂ laser radiation (10.6 μm) are cut, marked and engraved.

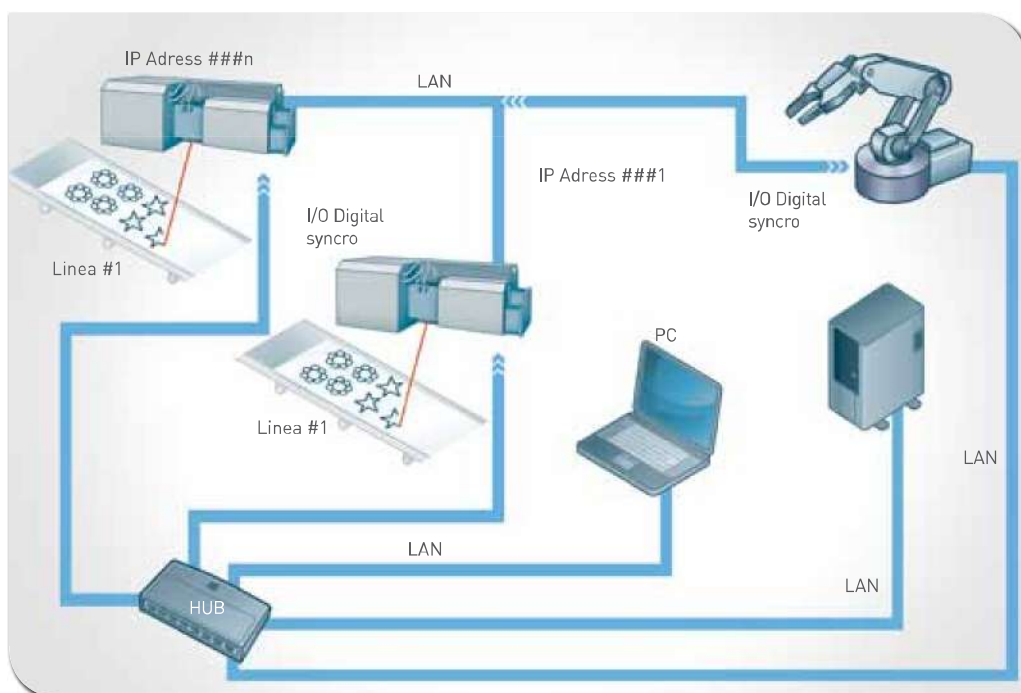
GIOTTO CO₂ 3 AXES can be controlled via PC through the user interface ICARO (Windows) or work in "stand alone" mode (without PC). The possibility of marking "on-the-fly" when

integrated into a moving line, the presence of a complete set of digital I/O, serial ports RS 232/485 and network connection LAN 10/100, make **GIOTTO CO₂ 3 AXES** the right marking/cutting tool for integration into production lines and automation.



■ FLEXIBLE MULTIPLE SOFTWARE INTERFACES

From full ICARO interface software to stand alone management control



■ PLUG & PLAY HARDWARE

Easy and fast placement into existing or new production lines



Pelle - Calzaturiero



Leather-Fashion belts



Artificial leather



Textile-Garments



Textile-Denim



Wood-Decoration



Backlight (LGP Panel)



PMMA-Decoration

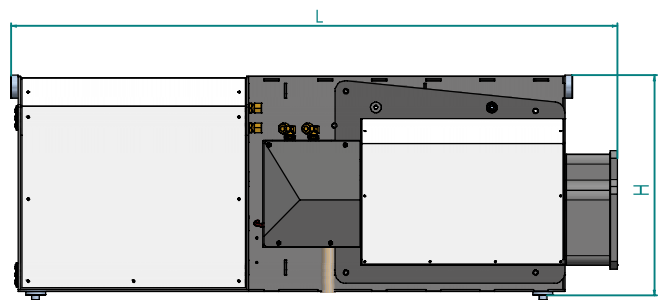
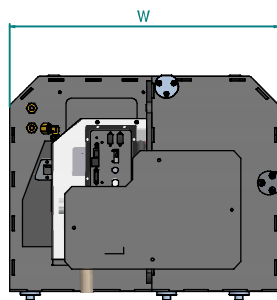


Wood-Decoration



Stone and ceramic tiles

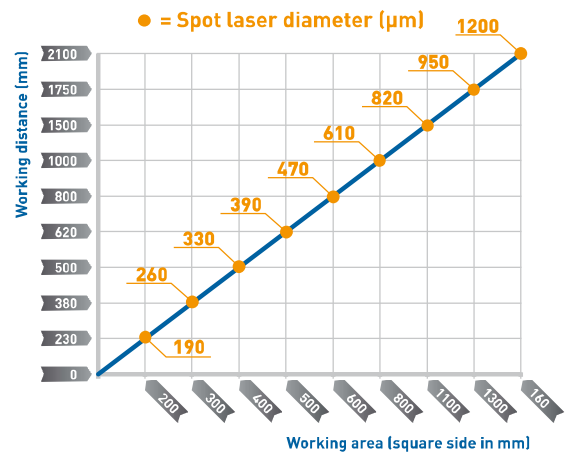
Technical features	150 W	230 W	400 W
Wavelength (µm)	10,6		
Laser technology CO ₂	Sealed-off with RF discharge excited laser source		
Nominal power (W)	150	230	400
Max. Peak power (W)	390	700	1200
M ² Beam quality	< 1.2		
Cooling	H ₂ O closed loop		
Protection	IP 54, ZnSe protective window, sealed-off optical path		
Norm compliant and safety	2006/95/CE Low Voltage Directive 2006/42/CE Machinery Directive 2004/108/CE Electromagnetic Compatibility Directive CEI EN 60825-1 Laser Safety Giotto CO ₂ 3 AXES is a Class 4 product		



Weight and Dimensions

GIOTTO CO ₂ 3 AXES 150 W	GIOTTO CO ₂ 3 AXES 230 W	GIOTTO CO ₂ 3 AXES 400 W
W = 501,2	W = 550	W = 675
L = 849	L = 1237	L = 1565
H = 398,5	H = 449	H = 480
90 kg	147 kg	250 kg

Focal lengths reference



Features

- Zero maintenance
 - High reliability
 - State of the art technology and performance
 - Optimized for OEM integration in production lines
 - Remote control and diagnostic module included
 - Control electronics "full digital"
 - Ability to operate in "stand alone" mode without PC
- Working areas up to 1600x1600 mm

The product is CE marked.
Features and system requirements may change without notice.