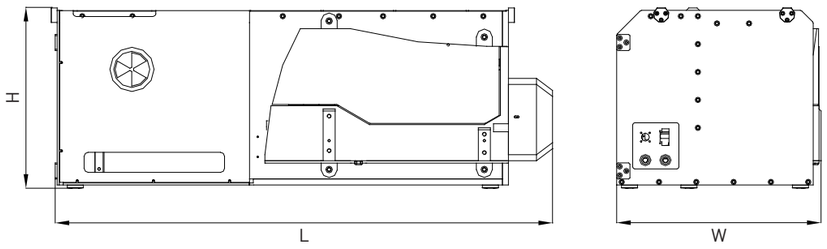
Backlight (LGP Panel)

PMMA - Decoration

Wood - Decoration

Stone and ceramic tiles

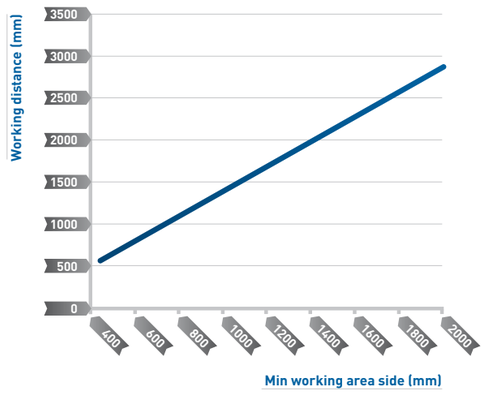
Model	I-Scan 135 W	I-Scan 230 W	I-Scan 400 W
Wavelenght [micron]	10,4-11,2		
Laser technology CO_2	sealed-off with RF discharge excited laser source		
Nominal power [W]	135	230	400
Max. Peak power [W]	300	700	1200
M^2 factor	< 1.2		
Cooling	H_2O closed loop		
Protection	IP 54, ZnSe protective window, sealed-off optical path		
Norm compliant and safety	2006/CE Low Tension 2006 /42/CE Machine 2004/108 Electromagnetic Compatibility CEI EN 60825-1 Laser I-Scan is a class 4 product		



Weight and Dimensions

I-Scan 135W	I-Scan 230W	I-Scan 400W
W = 511	W = 511	W = 680
L = 1125	L = 1125	L = 1610
H = 450	H = 450	H = 478
250 kg	300 kg	350 kg

Focal lenghts reference



Features

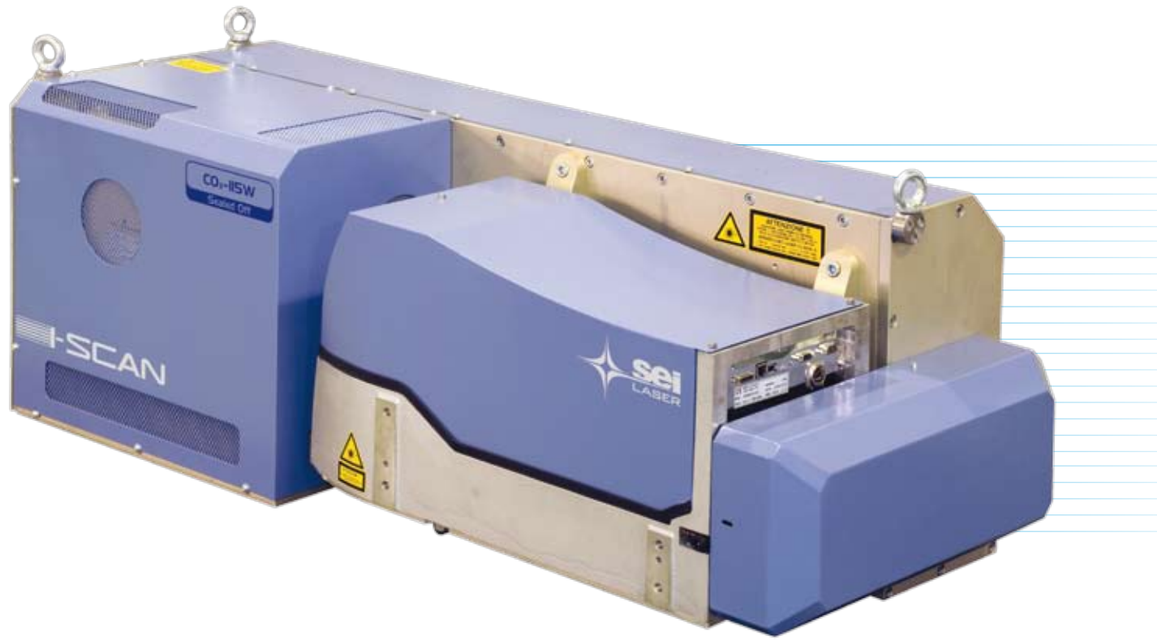
- Zero maintenance
- High reliability
- State of the art technology and performance
- Optimized for OEM integration in production lines
- Remote control and diagnostic module included
- Control electronics "full digital"
- Ability to operate in "stand alone" mode without PC

ed. 05/2013
clessidra87.it

I-SCAN

OEM LINE

NEW GENERATION, LARGER FIELD/SMALLER SPOT SIZE OF WORK,
IN SEI LASER CUTTING/MARKING SYSTEM OEM LINE



- The **OEM line** identifies a range of products developed by SEI Laser in order to provide the best laser technology currently available for industrial applications as well as SEI Laser know-how to all those manufacturers of production lines, automation and systems that need to integrate laser technology in their machines.
- SEI Laser provides full hardware and software support for dedicated applications by providing their own R & D for the resolution of problems related to various fields of application of industrial lasers.
- **I-Scan,** one of the models developed by SEI Laser in the **OEM Line,** is a cutting/marking system based on galvo technology of new generation, with the largest field of work and smaller spot-size, it finds application in direct converting or embellishment processes as well as die-cutting in markets as: textile, footwear, leather, paper, electronic, automotive (technical textiles), and lighting (LGP – Backlight for LED), on large format up to 2000x2000 mm.

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sei LASER

Easy opening - Flexible packaging

Kiss cutting – Perforation

Commercial print finishing

Artistic diecutting

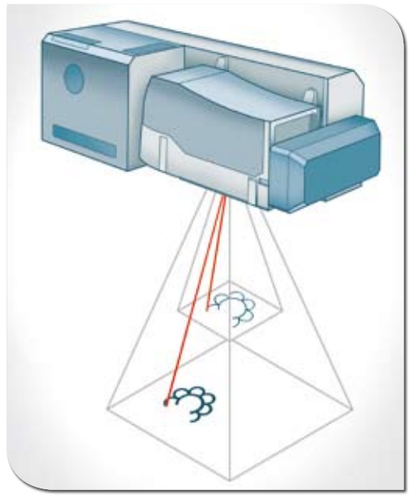
Commercial print finishing

Leather - Garments

The so called "digital converting" market is experiencing recently a significant expansion thanks to the growing needs of production flexibility, JIT, fashion or unique features, required by the industry. SEI Laser answer to this request is **I-Scan.**

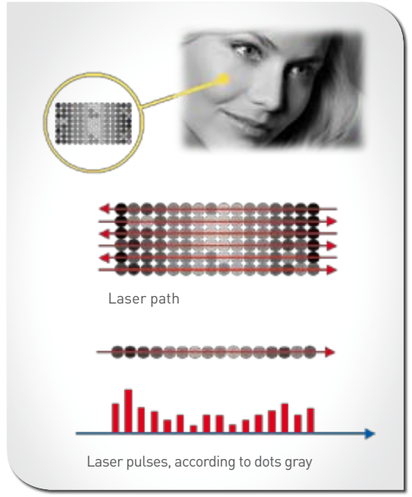
I-Scan is a laser marking/cutting system with CO_2 "sealed off" technology operating in 10600nm developed to be easily integrated into production lines of third parties: the **OEM.** The solution is characterized, in addition to the use of laser sources with "sealed-off" technology, (zero maintenance), especially for the particular optical architecture. Designed for driving the laser by beam steering galvanometer unit with three-axis interpolated and "full digital" features, it allows the highest quality of laser beam in terms of focusing on very large areas with ability to cut, mark and engrave as well, thin materials compatible with the CO_2 laser radiation with the highest product quality.

I-Scan can be controlled from any PC through the user interface ICARO (Windows) or "stand alone" mode (without PC). The possibility of marking "on-the-fly" when installed on a moving line, the presence of a complete set of digital I/O, serial ports RS 232/485 and network connection LAN10/100, make **I-Scan** the ideal marking/cutting tool for integration into production lines and automation of any kind.



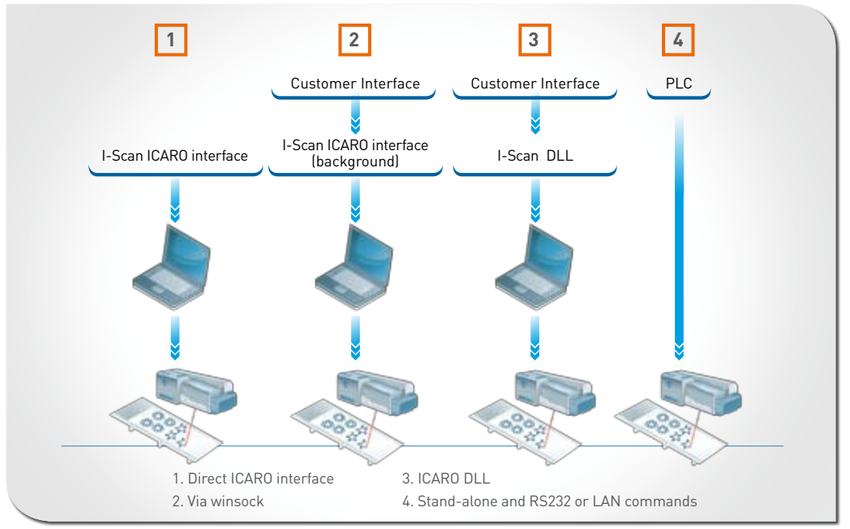
WORKING AREAS

Min. Area	=	450 mm x 450 mm
Working distance	=	600 mm
Spot diameter	=	≈220 µm
Max. Area	=	2000 mm x 2000 mm
Working distance	=	2850 mm
Spot diameter	=	≈950 µm



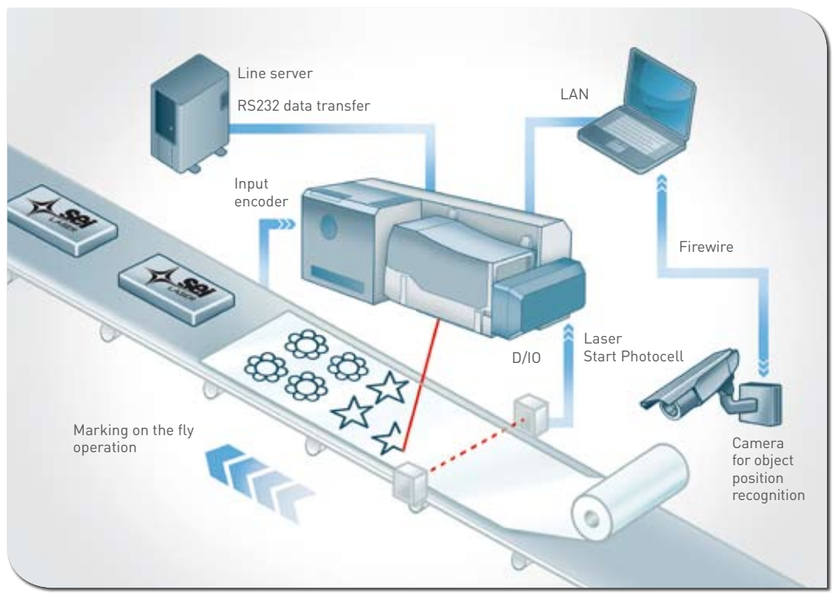
HI END GRAY-TONES CAPABILITY (LASER ENERGY MODE)

To perform remarkable photorealistic bitmaps at high marking speed



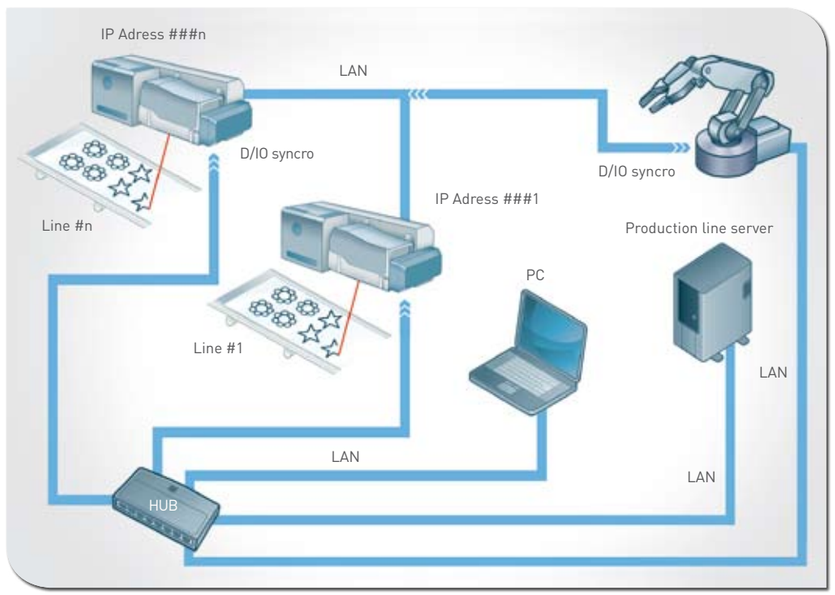
FLEXIBLE MULTIPLE SOFTWARE INTERFACES

From full ICARO interface software to stand alone management control



MARKING ON THE FLY CAPABILITY

Enhance any production line with maximum productivity



PLUG & PLAY HARDWARE CAPABILITY

Easy and fast placement into existing or new production lines

Leather - Shoe industry

Leather - Fashion belts

Artificial leather

Textile - Garments

Textile - Denim

Technical textiles