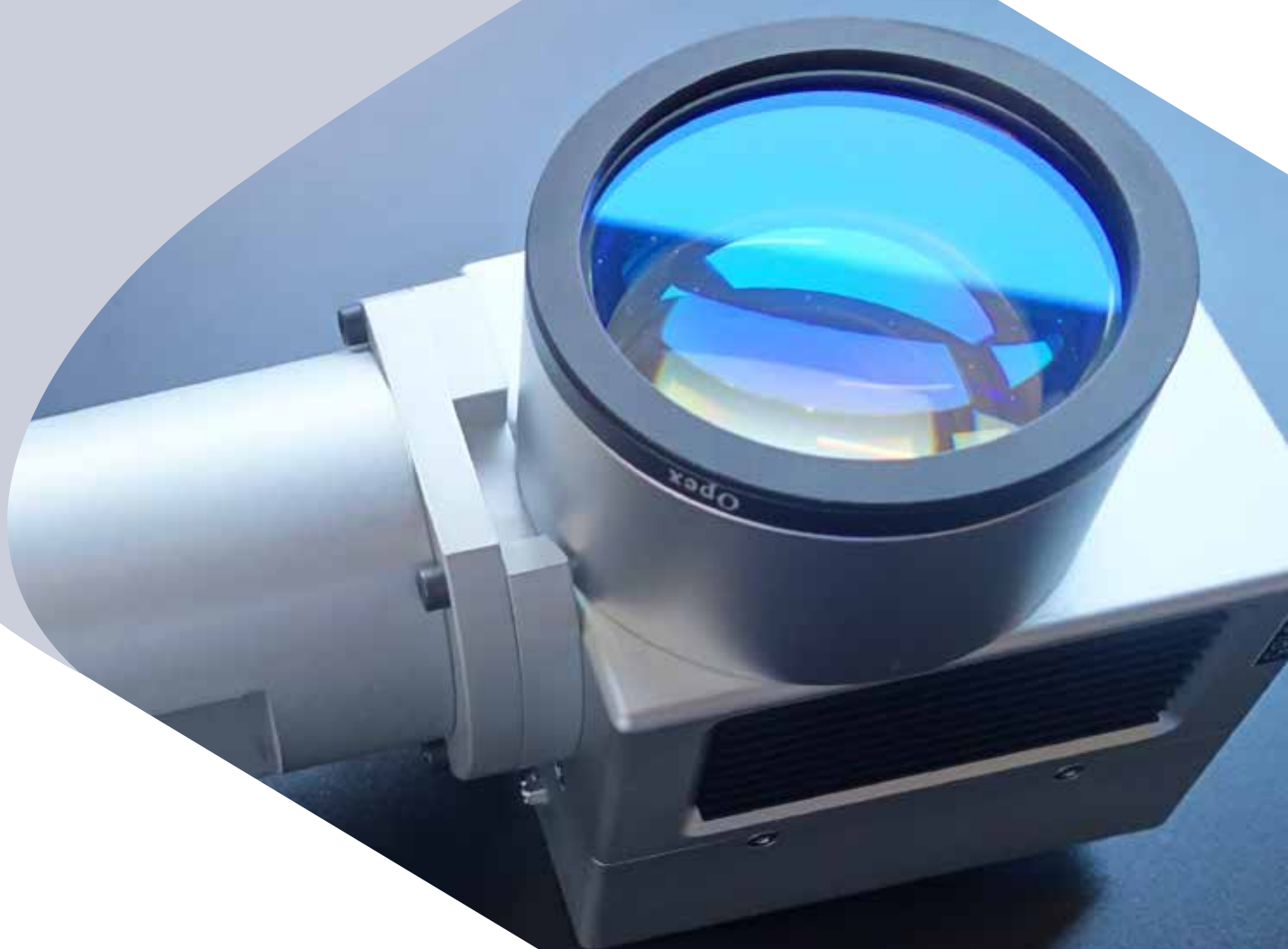




LASER

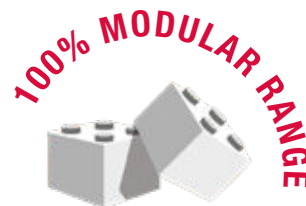
INTEGRATED RANGE i104

Catalog



The mark of quality

A WIDE VARIETY OF SOURCES AVAILABLE



Standard pulsed fiber laser

These lasers are mainly used for marking metals and certain plastics.

20 W Standard fiber

- ✓ **Economical solution:** perfect for standard applications
- ✓ **Versatility:** suitable for marking metals and plastics

30 W Standard fiber

- ✓ **Ideal balance between performance and budget:** higher speed than 20W
- ✓ **Versatility:** suitable for marking metals and plastics

50 W Standard fiber

- ✓ **Increased power:** ideal for deep, long-lasting engravings
- ✓ **Accelerated cycles:** significant time per part

HD MOPA fiber laser

MOPA lasers enable pulse duration to be adjusted, offering more precise control for more complex applications.

20W HD MOPA

- ✓ **Plastic compatibility:** adapts to the main polymers
- ✓ **Controlled thermal effect:** improved contrast on aluminum

60W HD MOPA

- ✓ **Fast, precise marking:** higher speed than MOPA 20W
- ✓ **Accelerated cycles:** significant reduction in time per part

100W HD MOPA

- ✓ **Deep engraving:** durable marking in minimum time
- ✓ **Industrial applications intensive applications** high-speed marking

Green laser

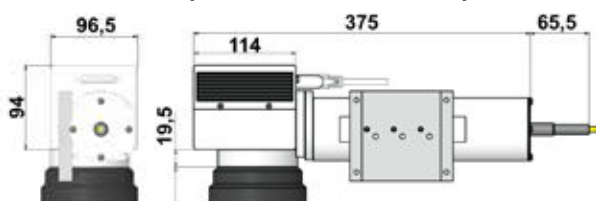
The green laser (532 nm) is an alternative to fiber lasers for specific materials.

Green 3W

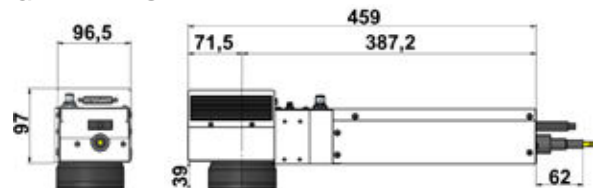
- ✓ **Wide range of materials:** effective on a very wide range of range of plastics
- ✓ **Less thermal effect:** ideal for sensitive materials

TECHNICAL AND MECHANICAL SPECIFICATIONS

FIBER LASER (Standard & HD MOPA)



GREEN LASER



	Standard & MOPA fiber	Green
Wavelength(s)	1064 nm	532 nm / 1064 nm
Marking fields *	60*mm, 100 mm, 170 mm, 220*mm, 300*mm	100 mm, 170 mm
Fiber length	3m** (standard)	1,6 m
Head weight	5 kg	6 kg
Consumption	750 W	
Safety	Laser Class 4 (EN60825-1 standard) safety measures required	

* Consult us for these marking fields

** Consult us for other lengths

THE FIBER UNIT



PLC

RS232

Fieldbus

I/O

Optical Fiber

Steering cable (x, y, z)

Advanced diagnosis function

+ TECHNOLOGY & DESIGN

- Operating method: pulsed (variable frequency)
- Consumption: 750 W
- Wavelength: 1 064 nm
- Digital axis control (linear and rotary)
- Ultra Compact: 4U height (177mm)

+ COMMUNICATION CARDS (optional)

EtherNet/IP

PROFI NET

PROFI BUS

+ RELIABILITY AND PERFORMANCE

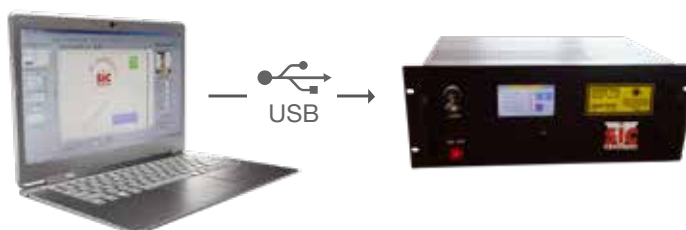
- Long-life components ($\geq 100\ 000$ h)
- Self diagnostic function
- Cooling: by air only
- Warranty: 2 years (5 years optional)

+ OPERATING

- Laser driven by «SIC LASER» software
- USB interface, Windows environment
- User-friendly interface with icons navigation

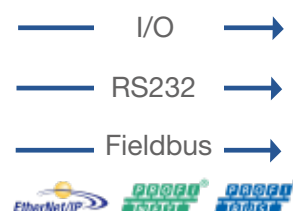
TOUCHSCREEN

• Programming mode:



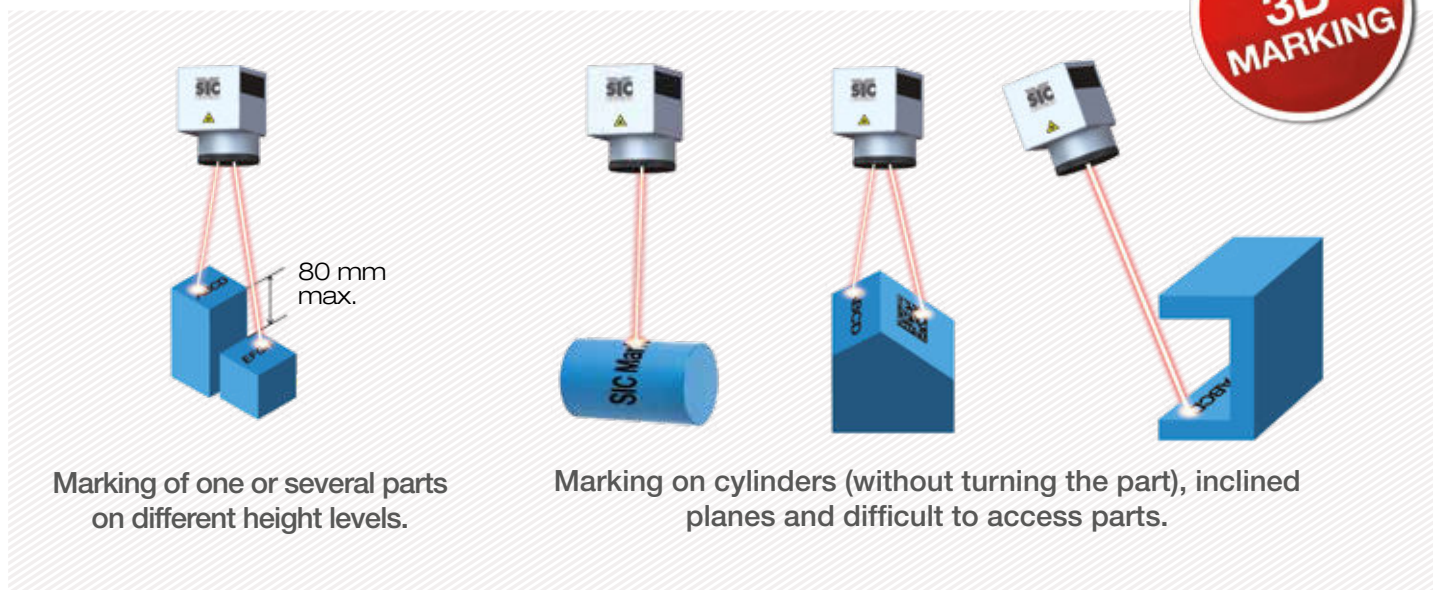
- Creation of entities to be marked: characters, logos, 1D or 2D
- Font choice «True Type»
- Pen setups

• Production mode:

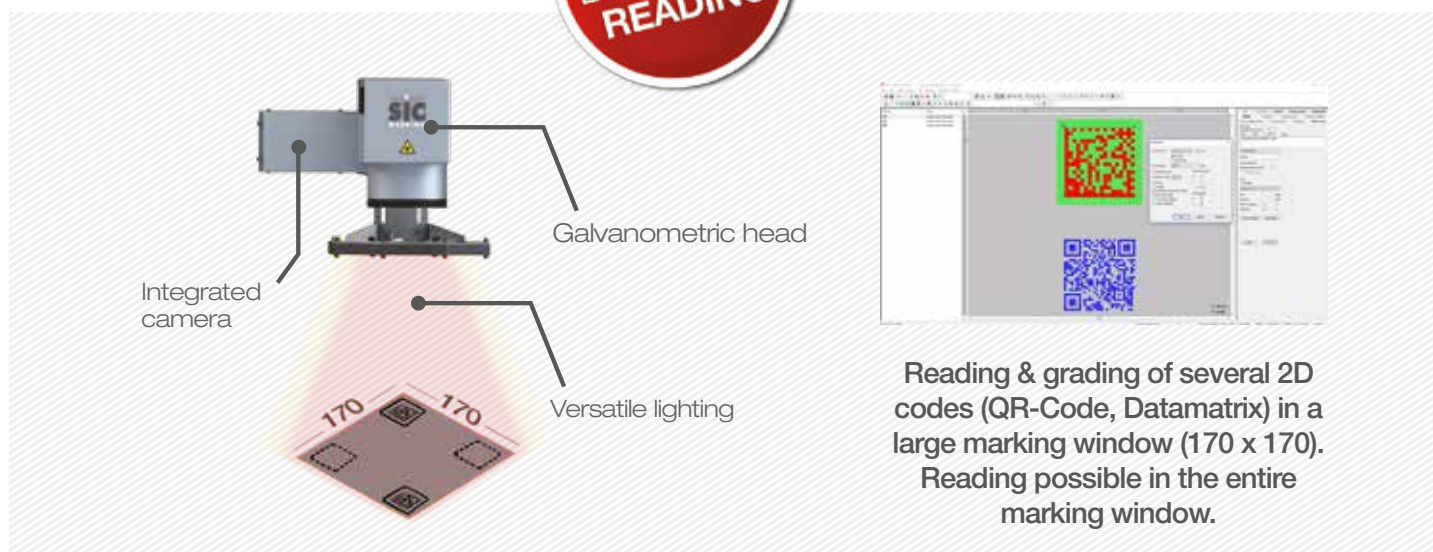


PLC

3D MARKING FUNCTION



INTEGRATED VISION SYSTEM



OPTIONS



Fit Laser
Safety funnel



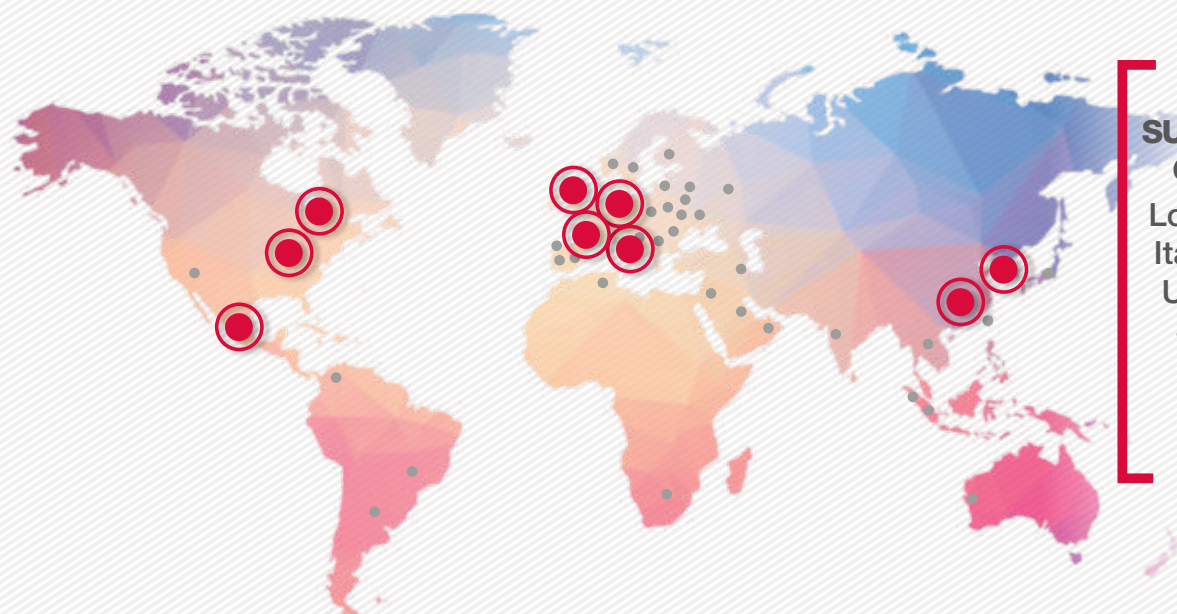
Motorized Z axis



Extraction and filtration
systems



Custom protective box



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