



FOBA Y.0200-S

High-performance fiber laser marker for unmatched versatility and maximum uptime

The Y.0200-S is compact, versatile and highly reliable for industrial direct part marking applications. The compact fiber marking laser delivers reliable marking results on a variety of metal, plastic and other hard-to-mark materials in the electronics, tools and metal and automotive industries.

Whether through engraving, high contrast color change, material removal or annealing – the 20 Watt pulsed solid-state fiber laser marker addresses various application requirements and quickly applies complex variable data (ID matrix/bar codes, logos, characters, [serial] numbers, individual data, etc.) on moving or static products. Additional advantages include low maintenance and ease of integration with a dovetail joint mounting interface and a multilingual user interface.

Your product benefits

- **Small Size, Simple Integration:** The most compact design with two small scan heads and a flexible and proven software/hardware platform ensure best integration into production lines as well as OEM machines.
- **Broadest Application Range:** Everything is marked at uncompromising quality, due to the many available features incl. powerful software supports, superior digital high-speed scanners, two marking heads (6 and 10 mm) and two beam orientations (straight-out/90°).
- **Lowest Maintenance, Highest Uptime:** The short setup time; an air-cooled, highly efficient, maintenance-free laser source and the possibility of PC independent stand-alone operation maximize uptime and reduce costs.



1) Stainless plate with annealed light icon 2) Plastic housing with color change mark



FOBA Y.0200-S Fiber Laser Marker

Technical Data

Marking features

Marking heads

6 mm and 10 mm with various precision optics for focusing (SHF60B: $f=50/100/165/258$; SHF100B: $f=100/163/254/420$ mm)

Marking fields*

Various fields, ranging from $19.5 \times 26 \text{ mm}^2$ ($f=50$ mm) up to $361.5 \times 498.5 \text{ mm}^2$ ($f=420$ mm)

Marking speed*

→ Up to 10,000 mm/sec. (600 m/min)
 → Up to 1,300 characters/sec. with SHF60B
 → Up to 1,000 characters/sec. with SHF100B

Laser source

Type

→ Pulsed Ytterbium fiber laser (Yb), 20 W
 → Several pulse frequency ranges (1kHz–400 kHz)
 → Wavelength 1,055–1,075 nm

Laser class

4 (acc. to IEC 60825-1)

User Interfaces

→ PC software: FOBA Draw (on separate, external, optional Win PC)
 → Browser-enabled Touch Control Software FOBA Go (optional on FOBA Touch Display)

Interfaces

→ Network interfaces

Supply

Electrical requirements L/N/PE 100–240 VAC, 50/60 Hz

Power consumption 220 VA max.

IP rating

→ Marking unit IP54
 → Supply unit IP21

Cooling

Air-cooled

Temperature

5–40 °C, up to 40 °C with a duty cycle of 70 %

Humidity

10–90 %, non-condensing

Weight

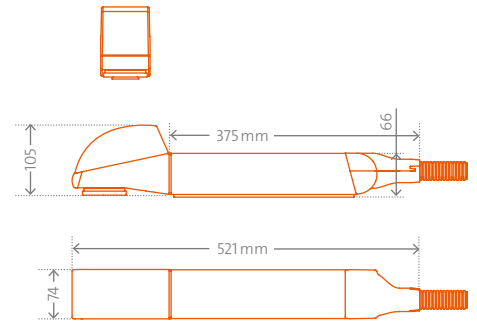
→ Marking unit with SHF60B approx. 3.7 kg
 → Marking unit with SHF100B approx. 5.4 kg
 → Supply unit approx. 18.5 kg

Scope of delivery

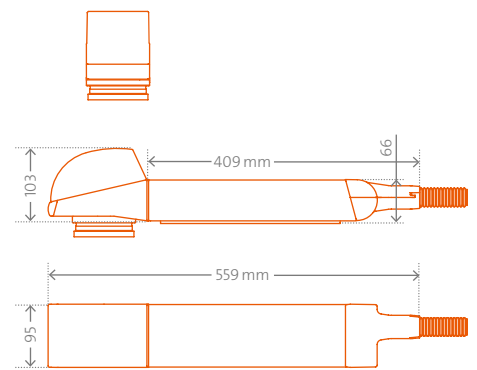
→ Fiber laser marker with 6 or 10 mm marking head

Options, accessories

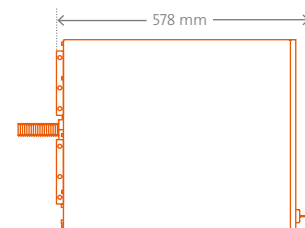
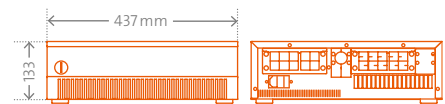
→ Pilot laser
 → Ethernet IP, Profinet
 → Exhaust systems
 → Agency Approvals: NRTL, TÜV, FCC



90° Marking unit with SHF60B



90° Marking unit with SHF100B



Supply unit

* Depends on the application

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laser class 4