



## 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 x 26 mm<sup>2</sup> (f=50 mm) up to 361.5 x 498.5 mm<sup>2</sup> (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, 50/60Hz

**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 %

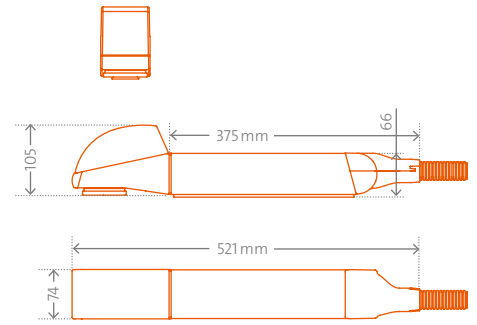
**Humidity** 10–90 %, non-condensing

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

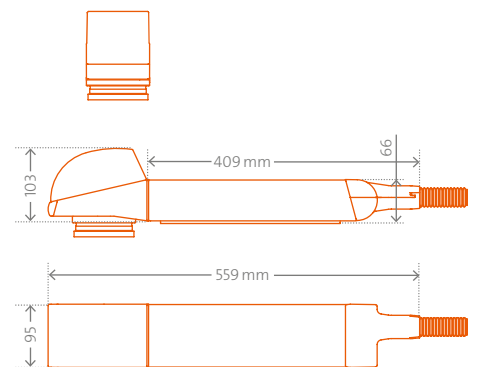
**Scope of delivery** → Fiber laser marker with 6 or 10 mm marking head

#### Options, accessories

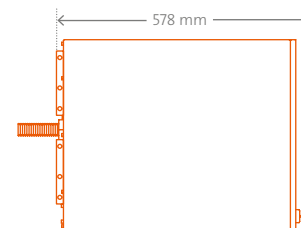
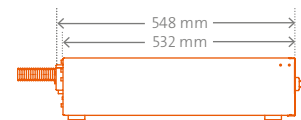
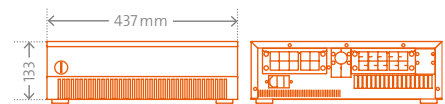
→ Pilot laser  
 → Ethernet IP, Profinet  
 → Exhaust systems  
 → Agency Approvals: NRTL, TÜV, FCC



90° Marking unit with SHF60B



90° Marking unit with SHF100B



Supply unit

\* Depends on the application