

FIBERLUX NANO

Laser marking and micro cutting

Fiberlux NANO is the compact model in the ElettroLaser range, designed to offer a high-quality laser marking system at an affordable price. Based on the innovations of the FiberLUX series, it integrates an ytterbium fiber laser source, which is eco-friendly and requires minimal maintenance. With its small footprint and fully accessible work chamber, Fiberlux NANO is available in two power versions: 30W and 60W.

The 60W version is equipped with a MOPA source, providing advanced pulse duration control, which enables highly precise and high-contrast markings on delicate materials such as gold, silver, and stainless steel.



Plus



- Pulsed fiber laser source
- Manual Z-axis adjustment
- Compact design with a small footprint
- Fully accessible work chamber
- User-friendly software
- Electronic hallmarking option



For professional marking applications, a SPECIAL VERSION is available for engraving trademarks, compliant with the new electronic hallmarking protocol for precious metals. This configuration enables the secure and straightforward application of metal hallmarks via a USB token.

- ACCESSORIES:
- High-precision rotary system for internal and external engraving of circular objects
 - Movable clamping vise on the X and Y axes

Data sheet

| | FIBERLUX NANO | |
|--------------------------------|--|-------------|
| | 30 W | 60 W - MOPA |
| Output power | 30 W | 60 W - MOPA |
| Wave length | 1064 nm | |
| M² | < 1.8 | |
| Power supply | 230 V AC, 50/60 Hz [110 on request] - 1 kW | |
| Inside chamber area (LXDXH) | 25x25x31 cm / 9.8"x 9.8"x 12.2" | |
| Weight | 35 kg - 77.2 lb | |
| Focal 100: marking area / spot | 6x6 cm / 2.4"x 2.4" / 16 µm | |
| Focal 160: marking area / spot | 10x10 cm / 3.9"x 3.9" / 26 µm | |
| Speed of galvo head | 5000 mm/s | |
| Max pulse energy | 1,5 mJ | |
| Max frequency | 60 kHz | 4000 kHz |
| Cooling system | Air cooled | |
| Pulse duration | 10 - 100 ns | 2 - 500 ns |
| Laser class | IV | |
| Dimensions & Weight | cm 39,2 x 65,2 x 62,9 / 15.4" x 25.7" x 24.8" - Kg 35 kg / 77.2 lb | |