

# 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	
Output power	30 W	60 W - MOPA
Wave length	1064 nm	
M <sup>2</sup>	< 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 um	
Focal 160: marking area / spot	10x10 cm / 3.9"x 3.9" / 26 um	
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	