

# 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.

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.



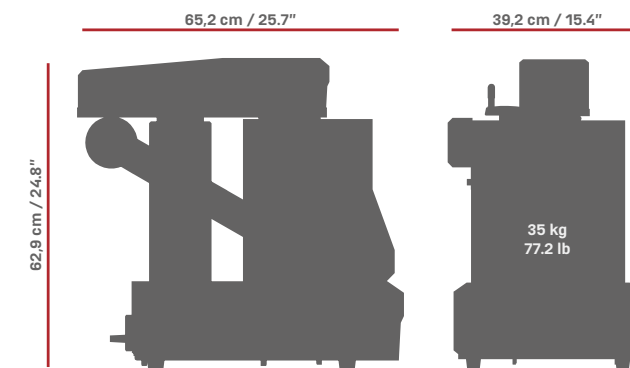
## Plus



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

### 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       |
| Output power                    | 30 W                                       | 60 W       |
| Wave length                     | 1064 nm                                    |            |
| M <sup>2</sup>                  | < 1.8                                      |            |
| Power supply                    | 230 V AC, 50/60 Hz (110 on request) - 1 kW |            |
| Working space dimension (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   |            |