

## Fiber laser nanosecond 1064 nm



### Features

- High beam quality fiber output
- Superior reliability
- Long lifetime
- Low Maintenance

### Applications

- Marking
- Cutting of low thickness

Pulsed Fiber lasers deliver light centered at 1064nm and guided to the work piece via a flexible metal-sheathed fiber cable. It provides a set of pulse durations, repetition rates and peak powers. The optical head may be equipped with an opto-isolator that makes it possible to mark directly on non-metallic materials (plastic, wood, paper, etc.) and metal with low reflectivity.

- Other specs are:
  1. Stronger adaptability to environment better beam quality and higher speed than Diode Pump and YAG Krypton type No need to replace the laser module and Krypton lamp.
  2. Air cooling, compact structure, small size
  3. Higher conversion efficiency, lower operating cost, save power consumption cost and shorter maintenance time;
  4. Laser Pulse width is narrower, higher peak power, faster scribing cutting speed
  5. Long time uninterrupted continuous maintenance-free operation, no consumable wearing parts to replace

### Pump and Signal specification

Parameters	Values	Notes
Central Wavelength	Typical: 1064 nm	-
Output Average Power	30 W	-
Pulse Energy	1 mJ @ 30kHz	-
Pulse Width	10-20 ns	-
Repetition Rate (MHz)	30-100 kHz	-
Polarization	Non polarized	-
Beam Quality (M2)	≤ 1.7	-
Output Power Stability	5%	From Nominal power

### General Characteristics

Parameters	Value	Note
Operating temperature range	10 ~ 40(C°)	-
Cooling	Air-cooled	-
Focal length	163 mm	-
Working length	180 mm	-
Marking window	100mm×100mm	-

**Made In Iran**

Isfahan Science & Technology Town, Isfahan University of Technology  
 Blvd, Isfahan, IRAN P.O.Box: 8415682124 Tel: +98 3133932380

