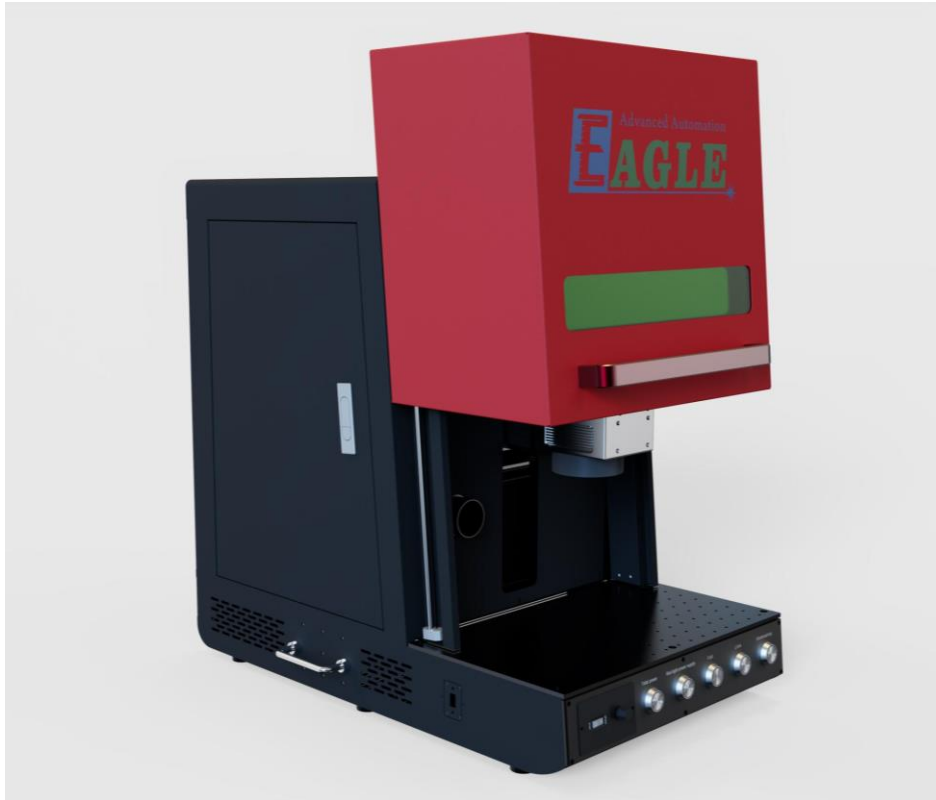


EAGLE—FC—MOPA30



- **JPT laser source has advanced beam quality.**
- **Fully enclosed cabinet, no noise, safe and quiet working environment.**
- **High peak power, high single pulse energy and fast marking speed.**
- **The real EZCAD control program has no limitation in the operating system.**
- **Photoelectric conversion efficiency is high and power consumption is low.**
- **Integrated design, compact and small body.**



TECHNICAL SPECIFICATIONS

Model	FC-MOPA 30
Laser type	MOPA Fiber laser
Laser power	30 W
Laser wavelength	1064 nm
Working area	4inch × 4inch/7inch × 7inch
Marking line speed	≤5000mm/s
Minimum line width	0.03mm
Minimum character	0.3mm/Depends on the material
Marking depth	≤1mm/Adjustable depending on the material
Repeating precision	±0.002
Power supply	Optional: AC220V/50/60Hz
Temperature/Humidity	0~35°C/10~95%
Power consumption	≤800W
Cooling system	Air cooling
The above parameters are laboratory test results, subject to actual operating conditions.	

Mopa Fiber Laser ---- M7 30W



JPT M7 series high power pulsed fiber lasers make use of master oscillator power amplifier (MOPA) configuration, and show excellent laser performance as well as high level of temporal pulse shaping controllability. As compared to the Q-switching technology, the pulse repetition frequency (PRF) and pulse width can be controlled independently in MOPA configuration, through adjusting different combination of the above parameters, the peak power of laser can be well maintained. And enable JPT laser suitable for more material processing which Q-switch limited. **The higher output power makes its advantages especially in high speed marking applications.**

Parameters

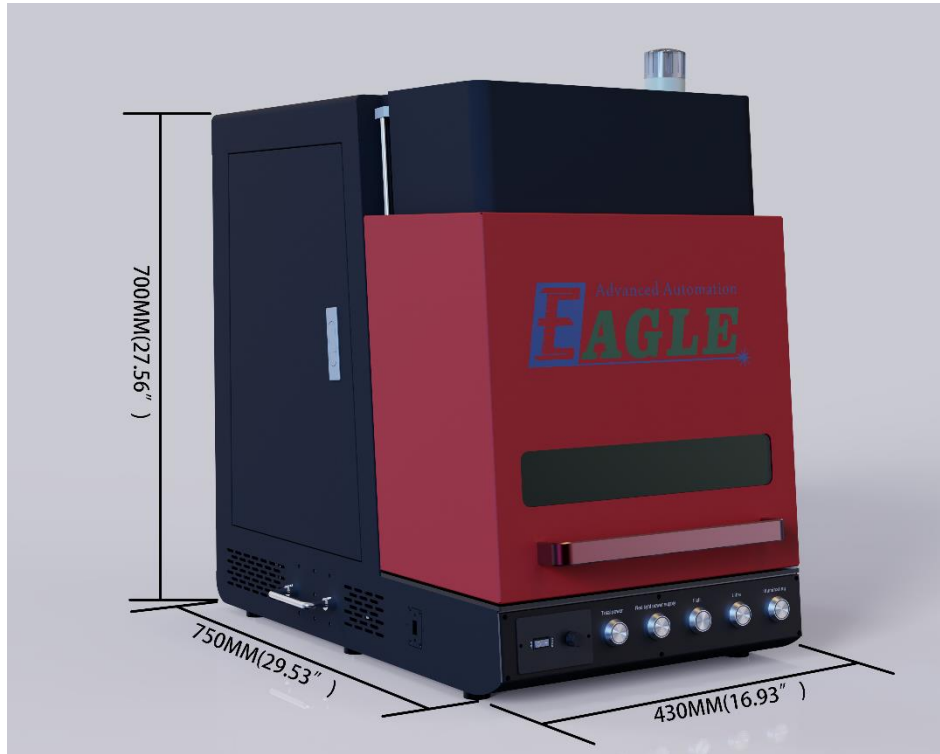
Product Model	M7
M ²	< 1.4
Armored Cable Length	2m
Nominal Average Output Power	>30W
Maximum Pulse Energy	0.8mJ
Pulse Repetition Rate Range	1 ~ 4000kHz
Pulse Duration	2 ~ 350ns
Output Power Stability	< 5%
Cooling Method	Air Cooled
Supply DC Voltage (VDC)	24V
Maximum Power Consumption	< 150W
Environmental Supply Current	>7A
Central Emission Wavelength	1064nm
Output Beam Diameter	7±0.5mm
Output Power Tuning Range	0 ~ 100%
Operation Temperature	0 ~ 40°C
Net Weight	4.25KG
Size(L×W×H)	245 × 200 × 65mm

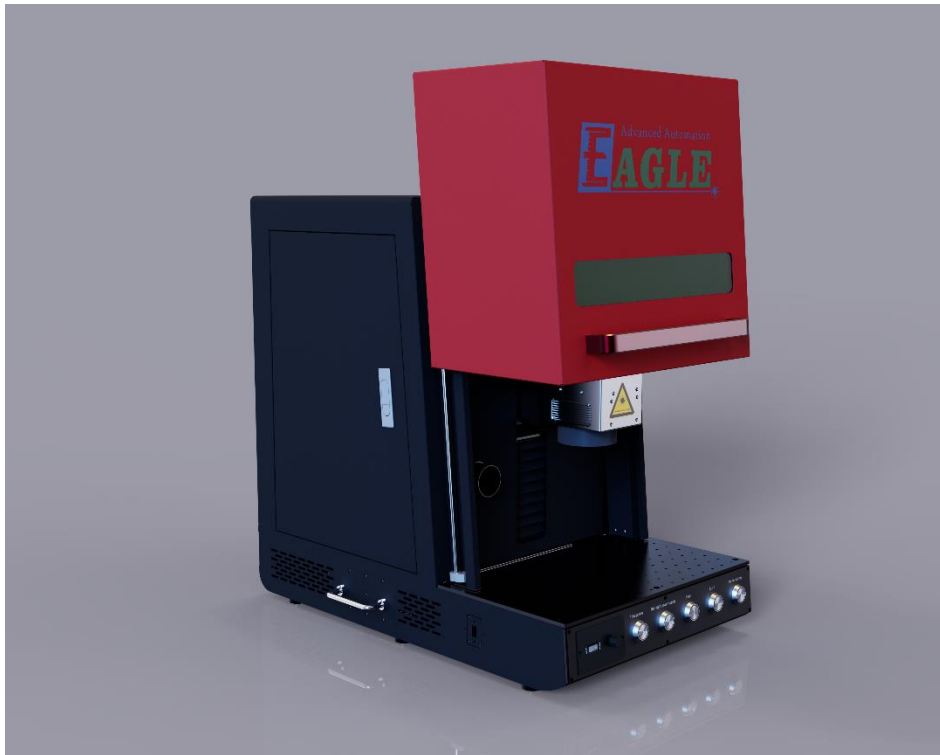
Galvo Head



- **High cost-performance ratio:** With highly competitive prices.
- **High speed:** Laser engraving at a fast pace, capable of meeting the majority of general marking needs.
- **High linearity:** Possesses excellent linearity. With simple pillow-type distortion correction and proportional correction, it can meet the requirements of most applications.
- **Low temperature drift:** Exhibits low zero temperature drift, gain temperature drift, and long-term temperature drift. It prevents offset issues in general marking and welding applications.
- **High stability:** Equipped with a comprehensive product quality control system.

More Details





Applications

