FASTJET

Laser Marking System

F8100F Series Laser

F8100F series fiber laser marking system, with its light and agile marking unit, help customers to achieve high-quality and high-speed printing in various production situations. The printing content is flexible, not restricted by fonts, coding or graphics. It is an ideal coding solution for auto-parts, electronics, can, cosmetic, pharma and building material industrials.

Easy To Handle

- WYSIWYG installation guidance
- Powerful system self-test assure maxium uptime
- Rich IO interface for intelligent production line control
- Automatic speed measurement for easy productivity assessment
- Automatic classification and stacking of user file types, one-click backup/ recovery

Easy To Operate

- Highly integrated modular design ensures simple and easy installation and maintenance
- Intuitive touch screen interface, easier to edit information, simple to learn, support a variety of communication methods

High Efficiency

- High-speed digital galvanometer system to ensure high speed and accuracy
- Smaller spot size and concentrated energy to handle difficult materials and complex marking requirements
- Optimized vector calculation logic for more precise and efficient control of lines

No Mistake

- 10.2”touch screen control system
- User friendly software and clean interface
- Multiple high-resolution lens options provide accurate and perfect marking

F8100F Series
Laser Marking System

Marking speed
- Up to 2,000 characters/second(1)

Line speed
- Up to 200/min(1)

Focus options
- Standard F160（110x110）
- Optional F63（50x50），F100（70x70），F210（140x140）
  F254（175x175），F330（220x220），F420（300x300）

Wave lengths
- 1,055-1,070nm

Marking format
- Standard industrial fonts (Windows®TrueType®) and single line font machine readable codes (OCR, 2D matrix, etc)
- Bar codes: code128A、code128B、code128C、code39、code93、QR-Code，Data Matrix，Aztec-Code, Han Xin-Code
- Graphics, Logos, symbols, etc
- Linear, circular, angular, reverse, rotate sequential and batch numbering
- Automatic date, layer and time code, real time clock
- Dot model will be faster for marking

Beam deflection
- Steer beam with digital high-speed galvanometer scanners

User interface
- Personalized touch control screen, humanized operation, easy to learn

(1)： *Maximum marking and line speed is application dependent*

Laser tube
- Ytterbium（Yb）pulsed fiber laser

Communication
- UDP、TCP/IP and RS232
- Inputs for encoder and product detector triggers
- 4 inputs/4 outputs for start/stop signals, machine/operator interlocks, alarm outputs;
- In addition to the safety circuits

Electrical requirement
- 110-240 VAC，~50/60 Hz，1 PH，0.70 kW

Cooling system
- Air-cooled

Environment
- Temperature 5-40°C (41-104°F)
- Humidity 10%-90%, no condensing

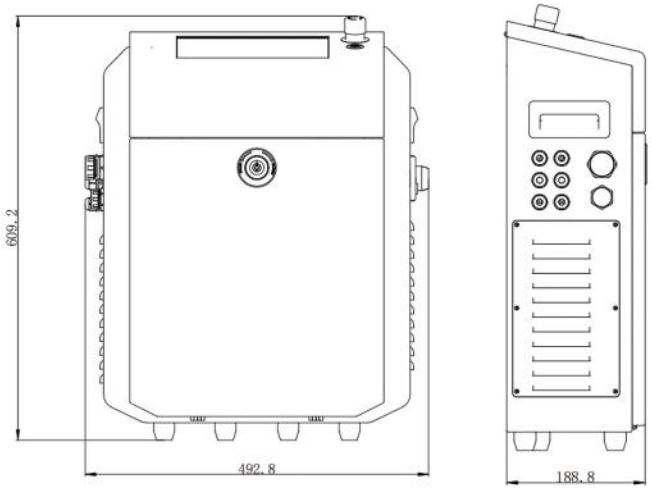
Weight
- Standard unit: approx. 34kg

Specific Model

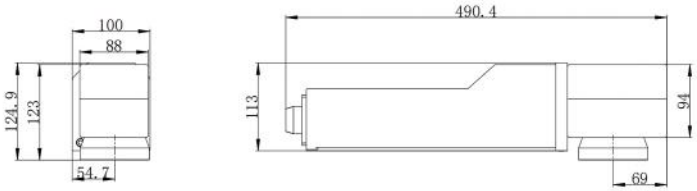
F81XXF

- 2：20W
- 3：30W
- 5：50W*
- 1：1064nm
- 4：Mopa

Cabinet dimension（mm）



Marking unit dimension（mm）



*50W chassis size is different, please ask our company for details

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