FASTJET

Laser Marking System

F8100C Series Laser

F8100C series CO_2 laser marking system help customers 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 solution for high-speed and complex coding request in food, beverage, cosmetic, pharmaceutical and extrusion industrials.

Easty To Handle

✧ WYSIWYG installation guidance
✧ Powerful system self-check 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
✧ Scientific and accurate vector planning logic to reduce marking period
✧ Ultra-high-speed makes up to 150,000 markings per hour

No Mistake

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

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Marking speed
- Up to 2,000 characters/second[1]

Line speed
- Up to 200/min[1]

Focus options
- Standard F160（100x100）
- Optional F73（50x50），F100（70x70），F230（140x140），
  F254（175x175），F300（210x210），F330（250x250），
  F450（300x300），F592（400x400）

Wave lengths
- 10.6um，10.2um，9.3um

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
- Sealed CO_2 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

Integration
- Flexible beam delivery options (beam extension unit/beam turning unit)

Electrical requirement
- 110-240 VAC，~50/60 Hz，1 PH，0.70 kW，2PH, 1.50 kW

Cooling system
Air-cooled

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

Weight
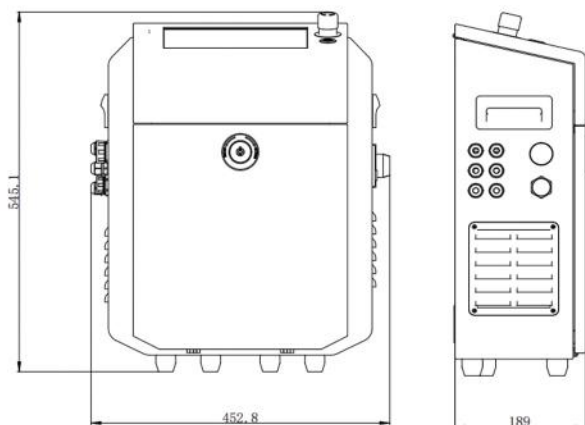Standard unit: approx. 34kg，39kg（60W）

Specific Model

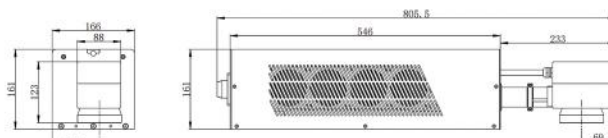F 8 1 X X C

3：30W
6：60W

1：CO_2 10.6um
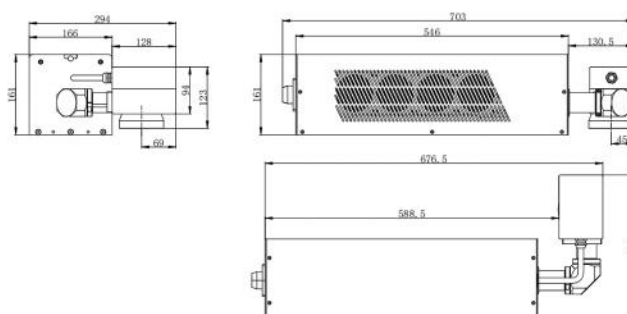2：CO_2 10.2um
3：CO_2 9.3um

Cabinet dimension（mm）

Marking unit dimension（mm）
Standard

Optional

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