CM 800 F

CM 800 F LASER MARKING SYSTEM

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Laser marking system

CM 800 F series fiber laser marking system, with its light and agile marking unit, helps 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.

Non-stop
✓ High performance long -life laser source increases uptime significantly
✓ Air-cooled laser source and no wearing parts requires no additional-maintenance

Easy to operate
✓ Flexible integrated solution with multiple standard beam transmission options
✓ Highly integrated modular design ensures simple and convenient installation and maintenance
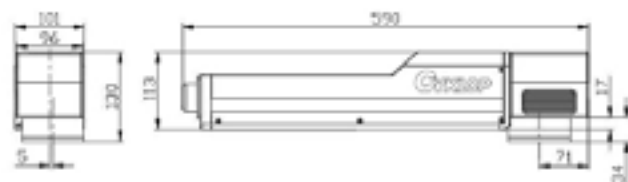
High efficiency
✓ High-speed digital galvanometer system to ensure high speed and accuracy
✓ Smaller spot size and concentrated energy to handle difficult materials and complex marking requirements
✓ Optimized vector calculation logic for more precise and efficient control of lines

No mistake
✓ In-house developed touch screen high-speed laser printer control system
✓ Human-machine interaction, reducing mis-operations and ensuring correct marking
✓ Multiple high-resolution print field lens options provide accurate and perfect identification

Technical specifications

Marking speed	Up to 2,000 characters/second
Line speed	Up to 200/min
Marking windows	50x50 to 300x300mm, 110x110 mm standard
Laser power	20, 30 and 50 W
Wave lengths	1,055 - 1,070 nm
Marking format	Standard industrial fonts, Bar codes, QR-Code, Data Matrix, Aztec-Code, Han Xin-Code, Graphics, Logos, Symbols, etc.
Focusing aid	Standard, switchable red LED
Positioning aid	Standard
Laser tube	Ytterbium (Yb) pulsed fiber laser
User interface	Personalized touch control screen
Communication	UDP, TCP/IP and RS232
Integration	Flexible beam delivery options
Electrical requirement	110-240 VAC(To be noted when ordering) ~50/60 Hz 1 PH 0.70 KW
Environment	Temperature 5-40°C (41-104°F) Humidity 10%-90%, no condensing
Sealing and safety standards	Cabinet: IP54 standard Marking Unit: IP54 standard
Weight	Standard unit: approx. 34 kg

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