

CYKLOP[®]
NEEDHAM



**FIBER LASER
MARKING SYSTEM**

PRODUCT DESCRIPTION

The CM800F is a light and agile fiber laser marking system that integrates seamlessly into production lines, helping customers to achieve high quality and high speed marking in various production situations. It is an ideal coding solution for auto-parts, electronics, cosmetics, pharma amongst others.

NON-STOP



High performance long-life laser source increases uptime significantly



Air-cooled laser source requires no additional maintenance



In-house developed touch screen high-speed laser printer control system

HIGH EFFICIENCY



High-speed digital galvanometer system to ensure high speed and accuracy



Multiple high-resolution print field lens options provide accurate and perfect identification



Optimised vector calculation logic for more precise and efficient control of lines

FIBER LASER MARKING SYSTEM

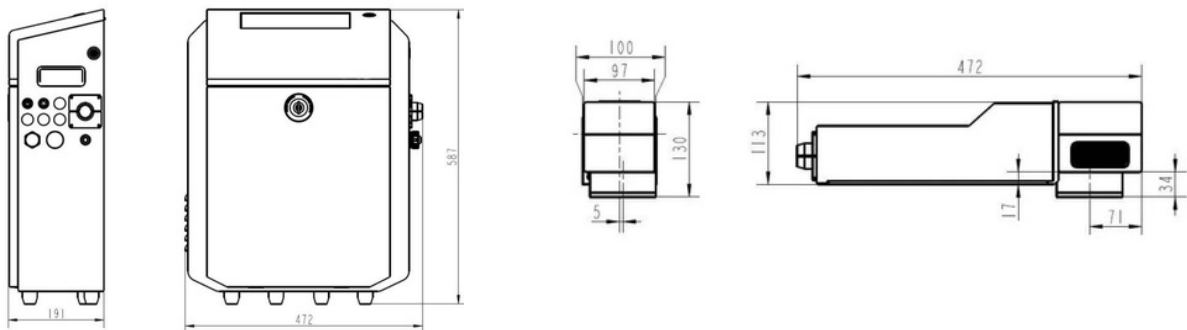
Easy to operate

- Flexible integrated solution with multiple standard beam transmission options
- Highly integrated modular design ensures simple and convenient installation and maintenance

High quality

- Human-machine interaction, reducing any potential errors and ensuring correct marking
- Smaller spot size and concentrated energy to handle difficult materials and complex marking requirements

Marking Speed	Up to 2,000 characters/second
Line Speed	Up to 200m/min
Marking Windows	50x50mm to 300x300mm, 110x110mm standard
Laser Power	20W, 30W and 50W
Wave Lengths	1,055nm - 1,070nm
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	Personalised touch control screen
Communication	UDP, TCP/IP and RS232
Integration	Flexible beam delivery options
Electrical Requirement	110-240 VAC, ~50/60 Hz, 1 PH, 0.70 KW
Environment	Temperature 5-40°C (41-104°F) Humidity 10%-90%, non-condensing
Sealing and Safety Standards	Cabinet: IP54 standard, Marking Unit: IP54 standard
Weight	Standard unit: approx. 34kg



ABOUT OUR VISION

We exist to use our decades of knowledge and experience to elevate the Cyklop brand to be recognised as a tier one company for Coding & Marking technologies and consumables in the EMEA region. We do this by building lifelong partnerships by being customer obsessed and providing innovative and practical Coding and Marking solutions.

CYKLOP NEEDHAM

NEEDHAM CYKLOP are a manufacturer of industrial inks and distributor of coding and marking printers within the EMEA region. The company has over 62 years of experience and heritage in the coding and marking industry, with a product range that expands beyond Inks & Consumables, including but not limited to Continuous Inkjet (CIJ), Thermal Inkjet (TIJ) and Laser marking machines. We strive to stay ahead of the curve with the latest technologies, serving a community of customers in various industries and sectors including food and beverage, packaging, pharmaceutical and many more.



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