CODING

CM 800U LASER MARKING SYSTEM

CM 800U   Laser marking system

CM 800U series UV laser is developed with 355nm UV laser, which is especially suitable for ultra-fine marking, special material marking, such as food, tobacco, medicine, electronic components, chemicals,building materials, painted metal surface, glass and other applications due to its extremely small focusing spot and minimal processing heat and impact on the deformation of the material. It is the first choice for customers with high standard of marking quality.

Non-stop

✓ No consumables in daily operation and no needs of daily mechanical maintenance procedures will effectively extend the up-time

✓ Air cooled laser source will maximize machine utilization and reduce the unplanned downtime

✓ Fully enclosed maintenance-free optical system and no adjustment required ensures the stability of the entire system

Easy to operate

✓ Flexible integrated solution with multiple standard beam transmission options

✓ 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
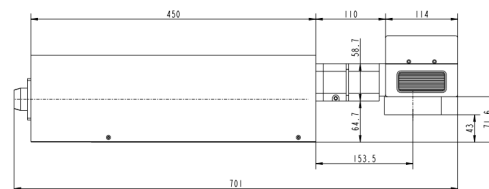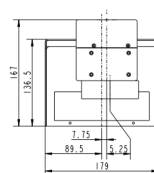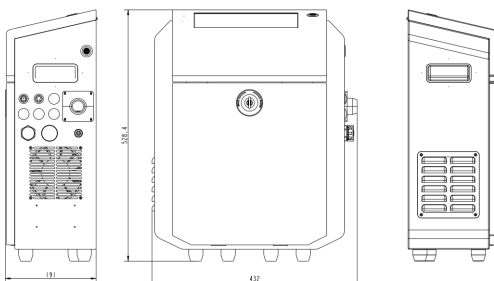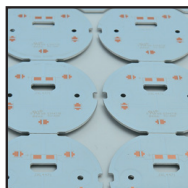
High efficiency

✓ 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 marking per hour

✓ Ultraviolet wave length laser beam makes high speed flying marking on HDPE/LDPE packaging possible

High Quality

✓ "Cold processing" with small focal spot and heat effect ensures the minimization of damage to packaging

✓ Fine and non-erasable marking to help on realization of traceability and anti-counterfeiting in the whole product life cycle

✓ Achievable high-contrast with great visual readability on white HDPE/LDPE packaging

Technical specifications	
Marking speed	Up to 2,000 characters/second
Line speed	Up to 200/min
Marking windows	Approx.70x70mm^2 to 220x220mm^2
Wave lengths	355nm
Marking format	Standard industrial fonts, Bar codes, QR-Code, Data Matrix, Aztec-Code, Han Xin-Code, Graphics, Logos, Symbols, etc.
Laser tube	Solid-state UV laser
User interface	Personalized touch control screen
Communication	UDP, TCP/IP and RS232
Integration	Flexible beam delivery options
Electrical requirement	240 VAC ~50/60 Hz 1 PH 0.70 KW / 1.50 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. 28 kg

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