MAYEE

ANT-5

UV Flying Laser Coding

The most ideal
laser marking solution

The friendliest laser coding from MaYee. The latest editions of our successful compact scribing laser are designed to fit in even the smallest of spaces.

MaYee Laser Technology

ANT-5 UV LASER

SAVE COST WITH THE HIGHEST QUALITY

High Efficiency

With a marking speed up to 12000mm per second, MAYEE UV laser precise beam control minimize material wastage maximize output power while minimizing energy consumption.

Compact Size

The air-cooling system eliminates the need for complex water cooling infrastructure, which not only requires small operation place, but also simplifies the set up and maintenance.

Exquisite Coding

The 355 nm wavelength produces minimal heat on PE, HDPE, LDPE, PP, ABS and PVC surfaces, resulting in better coding results than any other coder.

Laser marking technology offers precise, durable marks on various materials, aiding product identification and traceability. Machines minimize downtime, enhancing productivity. Choosing a reliable supplier ensures optimal performance for your operations. However, not all lasers and suppliers are equal. Selecting the right partner is essential for successful marking applications. A reputable supplier brings expertise, reliability, and support, ensuring the optimal performance and reliability of your laser coding machine. In conclusion, a high-reliability laser coding machine is crucial for achieving superior mark quality, uptime, and maintenance in your operations, enhancing productivity and meeting business needs

A quick tour around the ANT-5

Modern design

Subverting traditional impressions of industrial equipment, our product combines both design aesthetics and practicality.

Touch pannel

Intuitive and user friendly operation software integrate with high reliable 10" touch screen controller that allows everyone to operate easily.

Compact size

Compact footprint design and small head for access to tight spaces.

Laser head

field lens and smart red-light positioning system ensure the highquality laser coding.

Air cooling system

Air cooling system Utilize fans and heat sinks to dissipate heat generated during laser operation, offering simplicity and cost-effectiveness without the need for additional infrastructure like water tanks and pumps.

Optional floor-stand

Quick setup and adjustment of the mechanism, easy to move the laser head to the desired position.

MaYee High-End Touch Controller

SmartCode™ UV Laser Coding Controller is a state-of-the-art solution designed to revolutionize the way you control and manage UV laser marking processes. Engineered with cuttingedge technology and user-centric design principles, SmartCode™ offers a comprehensive suite of features that empower users to achieve precise, high-quality marks with unparalleled efficiency and flexibility.

Simple usability

MaYee offers a diverse range of standard configuration options and accessories to help ensure the laser works with your production workflow. Combined with easy operation, this means your team can focus more on production and less on user interaction and maintenance.

Uptime advantage

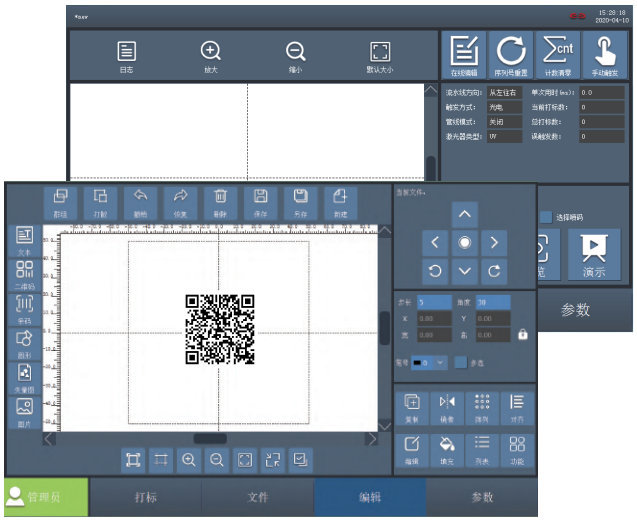
Long-life laser sources, minimal maintenance, and low consumables help reduce downtime and ensure few interventions during typical production periods.

Human and environment friendly

UV laser marking processes generally involve fewer or no gases, which can simplify operation and maintenance and reduce potential hazards associated with gas handling.

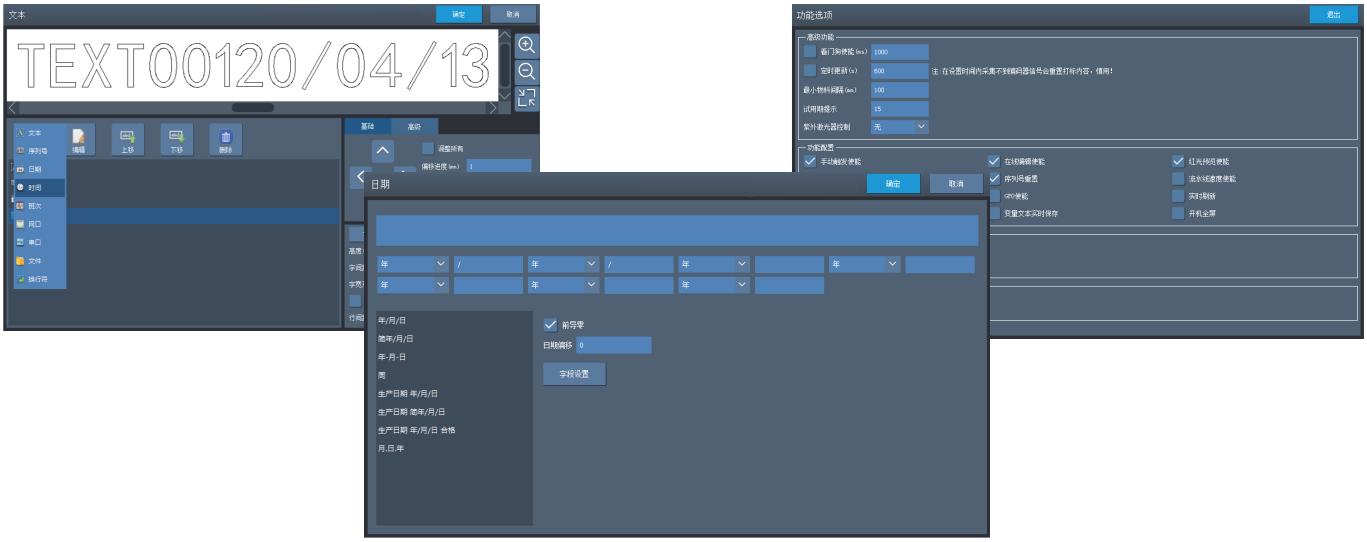
Easy to install

Full length integrated mounting rails on both sides of the laser head and its smaller overall footprint makes the DSeries an easy and safe installation.



PrecisionMark™ boasts an intuitive user interface that simplifies the coding process, allowing users to create, edit, and manage marking projects with ease. The user-friendly layout and navigation make it easy for operators of all skill levels to access essential functions and tools, reducing training time and minimizing errors.

With PrecisionMark™, users can create dynamic marking templates that streamline the coding process for repetitive tasks. Customizable templates allow for the quick setup of common marking parameters, such as text fields, serial numbers, date codes, and barcodes, saving time and ensuring consistency across projects.



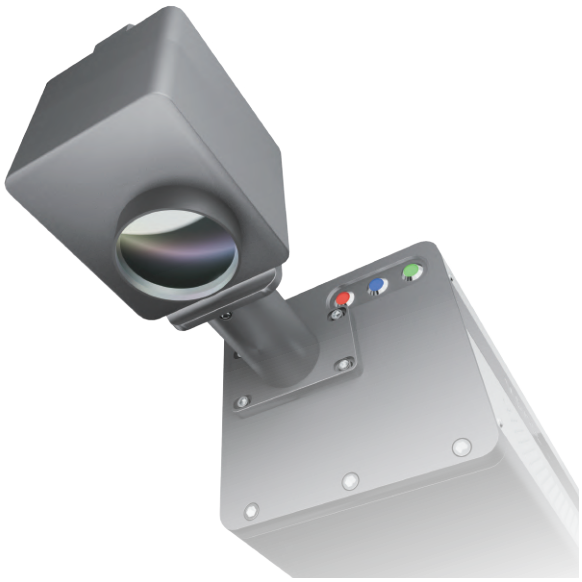
PrecisionMark™ seamlessly integrates with existing production systems, enabling automated data transfer and synchronization for streamlined workflow management. Whether interfacing with ERP systems, MES platforms, or PLC controllers, the software ensures seamless communication and data exchange, minimizing downtime and maximizing productivity.

PrecisionMark™ offers multi-language support and localization options, catering to diverse user demographics and global markets. With customizable language settings and localization features, the software ensures accessibility and usability for users worldwide.

PrecisionMark™ provides realtime preview and simulation capabilities, allowing users to visualize marking layouts and parameters before initiating the coding process. This enables operators to identify potential errors or inconsistencies and make adjustments as needed, ensuring accurate and precise marking results.

UV laser creates sophistication

Compared to CO2 and fiber lasers, UV lasers work by heating the surface without melting it, resulting in damagefree material processing. As a result, UV lasers create clearer, more precise, and higher-contrast markings.



5W works most efficiently

The majority of marking tasks can be efficiently completed using a 5W laser. The higher power output of a 10W laser is not only more costly but also unnecessary, while a 3W laser has a too limited range of applications.

Inno UV laser used

MAYEE laser ad opts the top laser technology of Inno Laser Technology Co., Lt, renowned as the foremost expert in laser innovation in both China and the United States.

More delicate lines, the product will be presented on the most exquisite spray code, an ordinary items, in the consumer's primary attention to the date of the spray code to praise its value enhancement.


HDPE


LDPE


PP


PVC & PET


PVC Pipes


CPP Film


OPP (Labels)

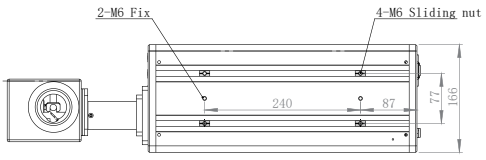

OPP (Paper Box)

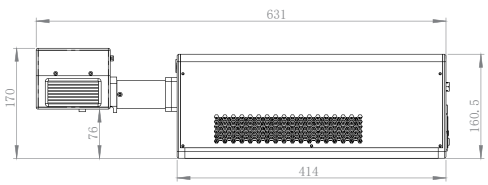

Aluminum Foil Bag

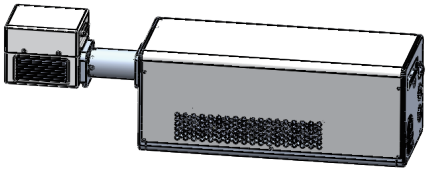

Metallic coatings

Specfication

Laser Output Power	5W
Laser Type	UV Laser Generator
Laser Wavelength	355nm
Material	Aluminum alloy and other metal structures
Control Board	Industrial-grade highly integrated one-piece board
Operating Platform	10.1-inch touch screen
Operating System	Linux
Cooling System	Air-cooled (Operating temperature -5°C to 40°C)
Touch Screen Interfaces	TCP protocol network port / USB 2.0 / DB9 serial port
Power Requirements	AC 110 or 220V 50-60Hz
Machine Power	≤ 300W
Machine Weight	11.5 kg
Machine Dimensions	646 mm (L) x 165 mm (W) x 160 mm (H)
Pollution Level	The marking process itself does not produce any chemicals
Operating Temperature	-5°C to 40°C (no freezing)
Operating Humidity	20% to 80% (no condensation)
Marking Range	Standard 110 mm x 110 mm (optional up to 600 mm x 600 mm)
Marking Types	Dot matrix, vector
Minimum Line Width	0.01 mm
Repeat Positioning Accuracy	< 8 μRad
Positioning Method	Red light guidance
Focusing Method	Dual red light focusing (optional)
Number of Marking Lines	Editable within the marking range
Marking Speed	≤ 20,000 mm/s
Production Line Speed	0-300 m/min (refer to the typical material speed reference table for limits)
Supported Font Types	Single-line fonts, double-line fonts, dot matrix fonts, TTF fonts
Graphic File Formats	MSP, CNF, CMK
File Formats	AI, DXF, PLT
Graphic Elements	Points, solid lines, dashed lines, circles, ellipses, rectangles, polygons
Certifications	CE
Supported Types	EAN-13, Code 128A/B/C, Code 39, Code 93, UPC-A, PDF417, ITF-14, GS1-128, RSS14 (Stacked, Expanded, Truncated), QR Code, DM (Data Matrix), Aztec, HanXin, DotCode, Micro QR Code







About MAYEE

At laser technology solutions, we specialize in the design, development, and manufacturing of cutting-edge UV laser coding solutions for a wide range of industries. With a commitment to innovation, quality, and customer satisfaction, we have established ourselves as a trusted leader in the field of precision marking technology.

With years of experience in the laser industry, our team of engineers and technicians possesses unparalleled expertise in UV laser technology. We leverage this knowledge to deliver advanced coding solutions that meet the diverse needs of our customers, from small businesses to multinational corporations.

The factory is located in Shenzhen China, our state-of-the-art manufacturing facilities are equipped with the latest technology and machinery to ensure the highest standards of quality and precision. From laser diodes and optical components to control systems and software, every aspect of our products is meticulously engineered and tested to perfection.

MAYEE

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