CO2 Laser Marking Machine

MAGIC™-N5

MAGIC™-N5 is a CO2 laser marking machine developed using advanced technology and innovative control techniques derived from our previous model CL40. As a user-friendly design, the N5 introduces a new control system using a touch display, providing improved usability and diversity in automation systems. These features allow users to operate the laser marker faster, easier, safely and more accurately compared to competitive products.

Key Features

- **Pass-Through Slot** : Allows for the processing of longer materials without pre-cutting by feeding them through the slot, enabling continuous cutting.
- **Built-in Wireless Communication** : Equipped with Bluetooth and Wi-Fi for seamless wireless connectivity.
- **Camera Positioning System** : Integrated camera for precise material positioning within the engraving area.
- **Roller Vice** : Allows marking on cylindrical or pipe-shaped materials.
- **Adaptive System** : External devices operate only when necessary to save energy.
- **Touch Display** : Embedded touch display for device status indication and control.
- **Efficient Airflow Structure** : Designed for effective dust and gas emission.

Product Specifications

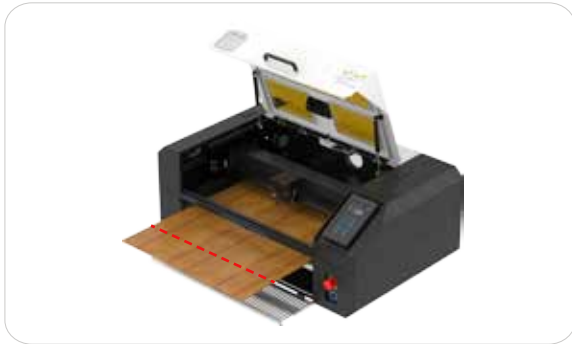| Dimensions	1020mm(W) x 697mm(D) x 416mm(H)	Laser Type	CO2 Laser	Laser Power	45W
Marking Area	600mm(X) x 400mm(Y)	Laser Wavelength	10.6 µm	Max Speed	400mm/s
Chamber Dimensions	600mm(W) x 400mm(D) x 175mm(H)	Max Material Height	175mm (from the base)	Cooling System	Water-cooled
Focus Distance	50.8mm	Power Consumption	322W	Safety Classification	Class 4 Laser Product
Power Supply	AC 100V~240V, 50/60Hz	Weight	68kg	Temperature Humidity	0~35℃ / 10~85%

Applications	Engraving, Cutting, Photo Engraving	Supported Materials	Wood, Rubber, Fabric, Acrylic, Paper, Aluminum, Plastic, Leather, etc.

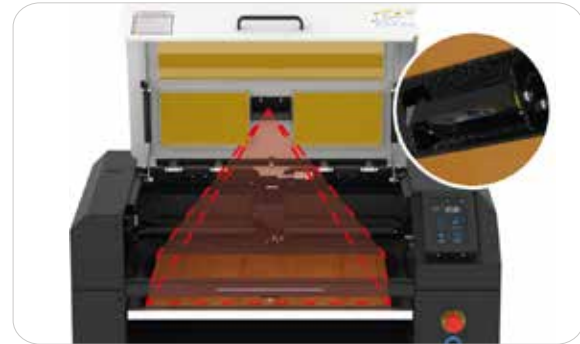BEST IN LASER & CNC TECHNOLOGY

Pass-Through Slot:

- Allows for the processing of longer materials without pre-cutting by feeding them through the slot, enabling continuous cutting.

Camera Positioning System

- The integrated camera captures the material within the laser engraving area, transmitting the image added to size and position data to the software, making the operation intuitive and easy for anyone.

Automation Functions

Automatic Z-axis Control
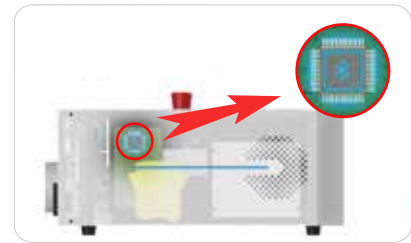- Built-in Z-axis for simple head movement and auto-focusing.

Automatic Height Measurement
- Facilitates quick and accurate focus adjustments for consistent engraving quality.

Wireless Communication

- Built-in Bluetooth and Wi-Fi for data transfer enables control via tablets and smartphones without a computer.

Safety Door

- Wide-opening door for easy material access and enhanced safety.

875mm

External Device Support

- Ports for connecting various external devices to expand functionality.

Touch Display and Status Indicators

- Detailed status display and control options, with lights indicating the machine's operational state.

External Device Control

- Direct control of external devices through touch display settings.

LightBurn Software Support

- Compatible with LightBurn software for enhanced functionality