Hybrid CNC Engraving & Laser Marking in One System

MAGIC™-JANUS

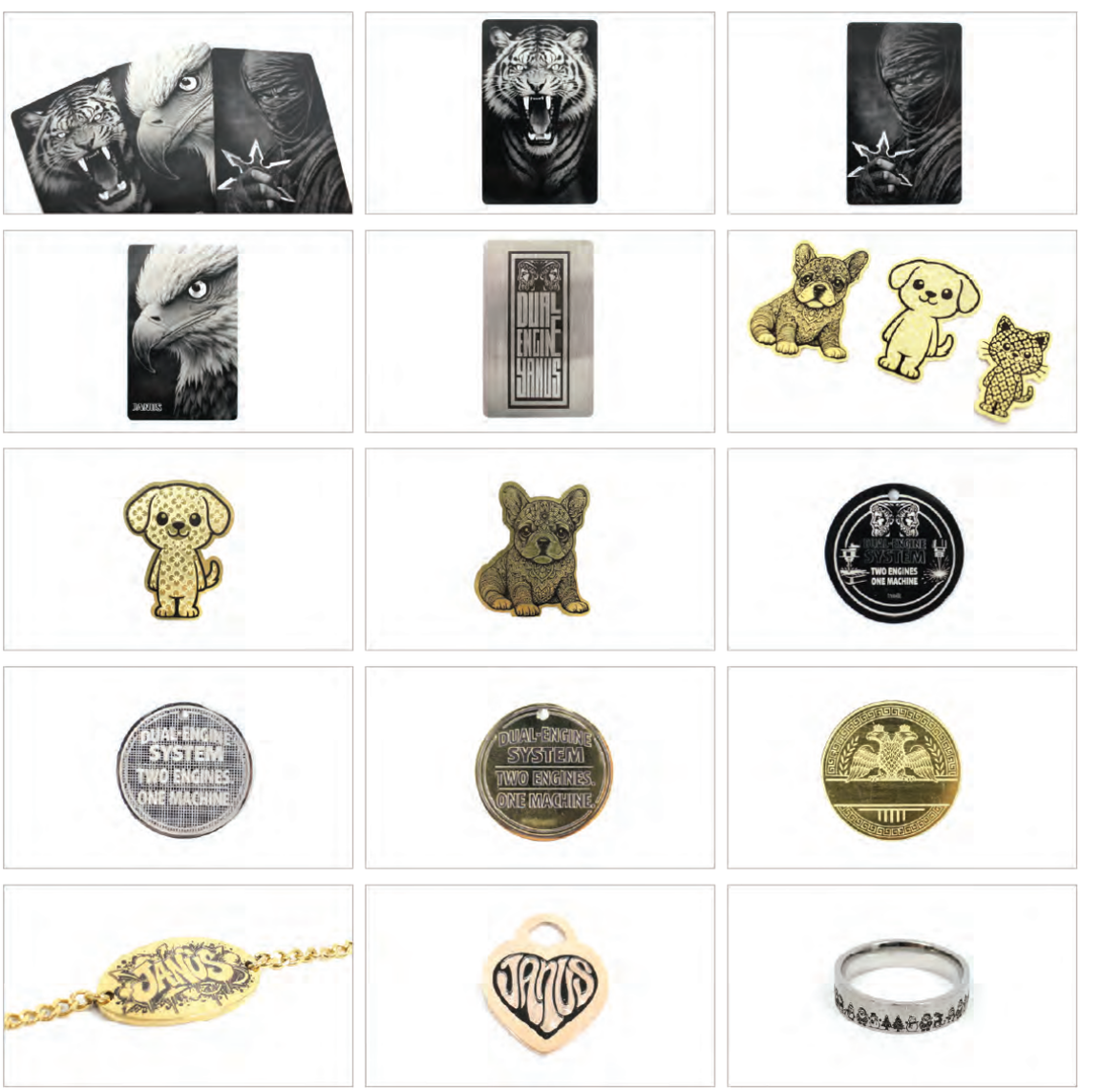
JANUS delivers unlimited creative freedom through a dual-engine CNC + laser system, providing total control with MagicEngrave™ software while achieving true cost efficiency by integrating two professional technologies into a single machine.

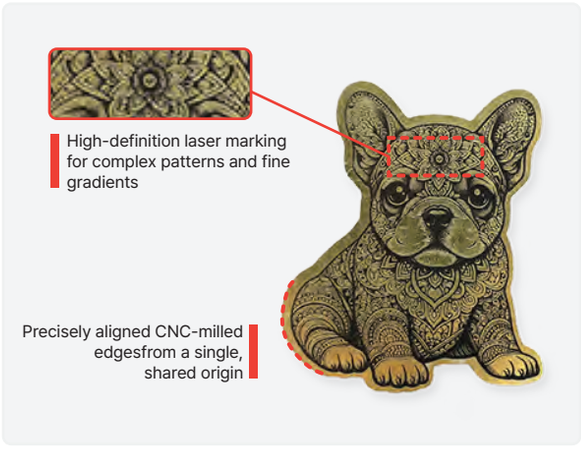
Specification

General	Dimensions	550mm(W) x 530mm(H) x 600mm(D)
	Weight	70kg
	Power	30W <500W / 60W <600W
	Power Supply	100V~240V, 50Hz/60Hz
	Temperature	0°C~40°C
	Humidity	10%-85%
	Rotary Working Range	Outer Ø14–65 mm / Inner Ø11–55 mm
CNC	Working Stroke	240mm(X) x 120mm(Y) x 60mm(Z)
	Tool Diameter	Ø4 mm
	DC Moter Output	37.9W
	Working Area	120mm(X) x 100mm(Y) x 60mm(Z)
LASER	Laser Type	30W / 60W Fiber MOPA Laser
	Effective Laser Marking Speed	up to 1000 m/s
	Laser working area	110mm(X) x 110mm(Y)
	Effective Z Working Range	30W up to 73 mm / 60W up to 40 mm
	Cooling System	Air Cooling

Unlimited Creative Freedom
MagicEngrave™ - One Software, Total Control
True Cost Efficiency

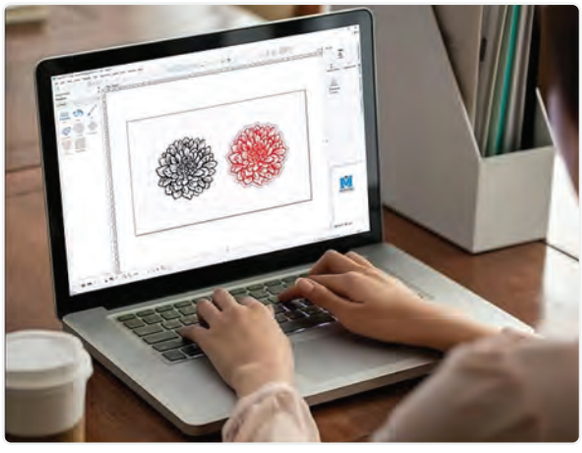
- Supports CNC scribing and endmill machining
- Supports laser marking and laser cutting
- Ring outer & inner engraving supported(Inner diameter engraving with manual angle adjustment)
- Pen engraving supported
- Compatible with pendant clamp, anti-curling clamp, tailstock, and CNC cutting clamp
- Auto positioning via built-in camera
- Auto focus via probe-based system
- Multipurpose Detachable Clamp System





Unlimited Creative Freedom

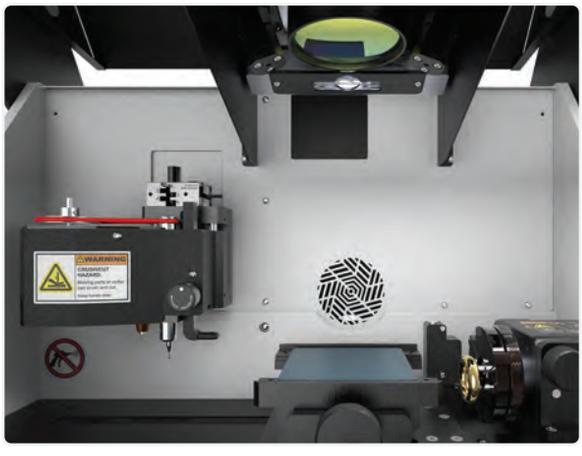
Use CNC engraving and laser marking in a single machine. Without being restricted by a single workflow, you can freely create a wide range of jewelry designs with greater flexibility and creativity.



MagicEngrave™ - One Software, Total Control

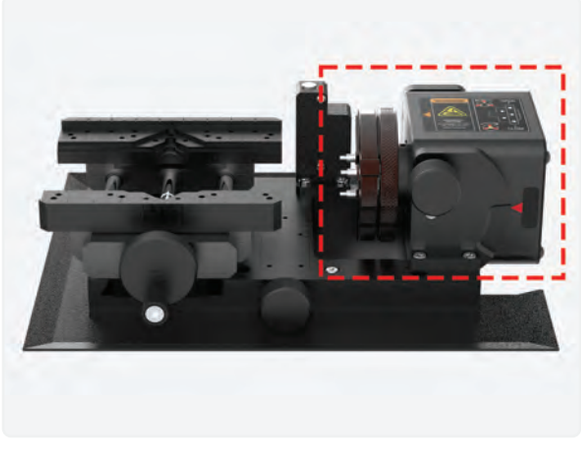
A dedicated software developed specifically for jewelry applications. Easily operate both CNC and laser processes from one unified screen for intuitive and efficient control.

Less setup. Faster production. An easy-to-use workspace that lets you control both CNC and laser operations from one interface, streamlining tool setup and toolpath generation.



True Cost Efficiency

No need to purchase CNC and laser machines separately. With one system, you can reduce both equipment investment and workspace requirements at the same time.

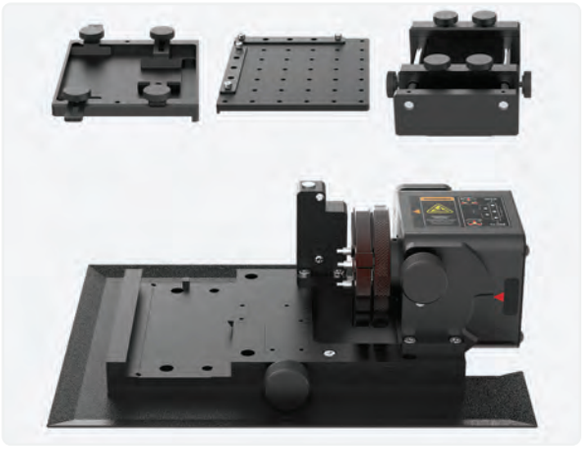


Built-in Rotary System

A fully integrated rotary engraving and machining system comes standard with the machine, eliminating the need for additional options or external attachments.

Enables inner and outer diameter engraving on cylindrical objects such as rings, bangles, pens, and mugs, as well as flat materials.

Features a rotary tilting structure optimized for laser inner-diameter marking, significantly expanding application versatility.



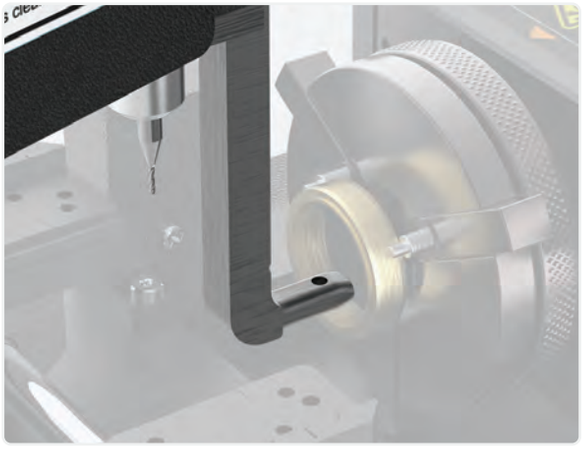
Multipurpose Detachable Clamp System

Multiple clamps can be easily attached and detached, allowing users to select the optimal fixture based on material size and shape. It maximizes efficiency and stability across a wide range of engraving and marking applications.

Cutting & Scribing Dual-Purpose Spindle

The head integrates a DC motor and spindle, enabling high-speed rotation of cutting tools such as V-cutters and end mills, while also supporting non-rotational scribing for precision marking.

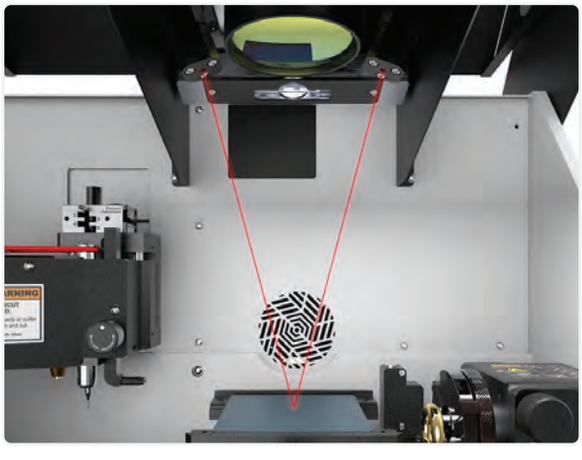
A built-in Z-axis movement control mechanism within the spindle head allows the Z-axis to be locked for cutting operations or released for scribing, enabling quick and intuitive tool selection based on the application.



Built-in L-Tool for Ring & Bangle Inner Engraving

A dedicated L-shaped Z tool is integrated into the head for inner engraving of rings and bangles.

Inner-diameter engraving can be performed immediately without changing tools, improving workflow speed and reducing setup time.



Focus Pointer System

Due to the invisible nature of laser beams, accurate focusing to a precise point is critical for efficient marking and engraving, particularly for controlled results such as black and white marking.

Two focus guide laser pointers indicate the optimal focal point, and the Z-axis is electronically controlled to align with this position, ensuring energy efficiency and consistent marking quality.