MAGIC E4

Equipped with a Flatbed Clamp	Built-in Camera	Supports Bluetooth Connection	Engraving, Cutting and Carving	Fully Automatic	MagicEngrave™ Program Provided

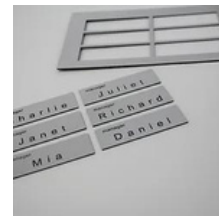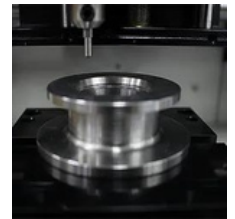## MULTIPURPOSE FLATBED ENGRAVING MACHINE
MAGIC™-E4

MAGIC-E4 is a 3rd generational multipurpose desktop engraving machine that is built to produce excellent, high-quality and precise engraving, cutting, and marking results on various materials with different forms and sizes. It offers innovative features to make engraving operations simple and easy. It is built with a reliable structural stability to promote the safe use of the machine

FAST AND EASY ENGRAVING, CUTTING AND MARKING:

MAGIC-E4 facilitates engraving, cutting, and marking on various kinds of materials with different forms and sizes.

- Engraves on acryl, various kinds of plastics, wood, modeling board, etc.
- Engraves on all kinds of metals including stainless steel, aluminum and brass.
- Engraves on glass, plastics, etc.
- Cuts gold, silver, brass, aluminum, acryl, various kinds of plastics, wood, etc.
- Carves 2.5D relief.
- Comes with wide work range, making it possible to engrave on large-scale materials
- Supports different engraving tools such as endmill, V-cutter, and scribing tools.
- Equipped with intuitive and easy engraving position control with the use of an embedded camera and laser
- Automatically measures the height of the material and tool length.
- Enables cost-efficient maintenance with low-cost supplies.
- Light, small and easy to use and/operate.

Scribing   Carving   Cutting   Milling

SUPPORT VARIOUS ENGRAVING TYPES:

Engraving
Carves materials with endmill or V-cutter in the desired shape and design

Cutting
Cuts out materials with endmill

Milling
Cuts materials in the desired shape and design

Photo Marking
Expresses photographs/images in dots

Halftone Engraving
Expresses photographs/images by surface processing using a cutter

Drilling
Drills holes in specific distances and depths on material

2.5D Carving
Carves 3D relief models

V-Carving
Creates letters, patterns, etc. in different engraving depths according to thickness using the V-cutter to make them look solid

SUPPORT CUTTING OF VARIOUS MATERIALS:

It cuts various materials such as gold, silver, brass, aluminum, wood, acryl, plastics, and waxes into desired forms

- The machine offers fast cutting performance and improved cross section quality
- It supports different cutting tools like endmill and V-cutter
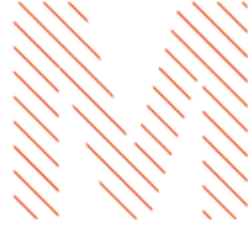
SUPPORT VARIOUS MARKING TYPES:

Hatching Line
Creates horizontal or vertical line patterns at regular intervals

Diagonal/Cross Line
Creates diagonal or X-shaped cross line patterns at regular intervals

Contour Line
Creates line patterns by filling the border lines

Outline
Creates border line patterns

Single Line
Creates single line patterns

Photo Marking
Creates photographs/images with dots

ENGRAVES MATERIALS WITH VARIOUS SIZE:

The single multipurpose jaw-type clamp holds materials at a fixed position, and engraves on almost every material with different size, thickness and shape.
The flat plate type clamp easily engraves on large and thin materials, and the like.
The open front and back accommodates materials with longer sizes for easy engraving.
The machine has versatile features which facilitate engraving of various materials that come in different sizes and forms like pendants.
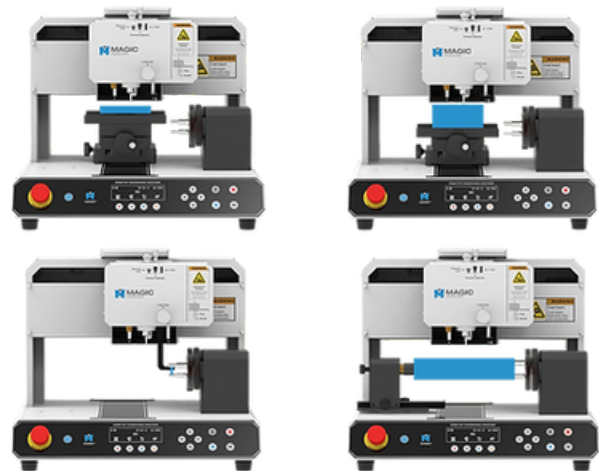
EASY EXPANSION OF FUNCTIONS:

Various detachable devices support the easy expansion of engraving functions.

The pendant clamp can be adjusted for the materials' height to engrave on materials with different thickness.
The machine offers various optional devices that are used to firmly hold the materials, and to easily engrave on materials with various forms.
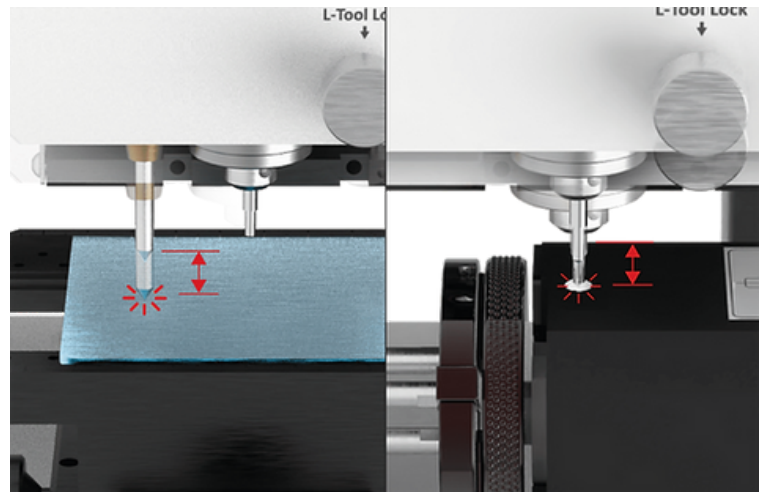The detachable clamp structure makes switching easy according to the users' intention for use.
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AUTO MEASUREMENT:

Auto measurement allows easy use of the machine by automatically measuring the materials and tool.

- The machine has auto measurement sensors that measure the length of the tool and detect the height of the material
- It sets the tool to its origin point automatically
- It is designed for quick and easy use as users no longer need to adjust the tools manually
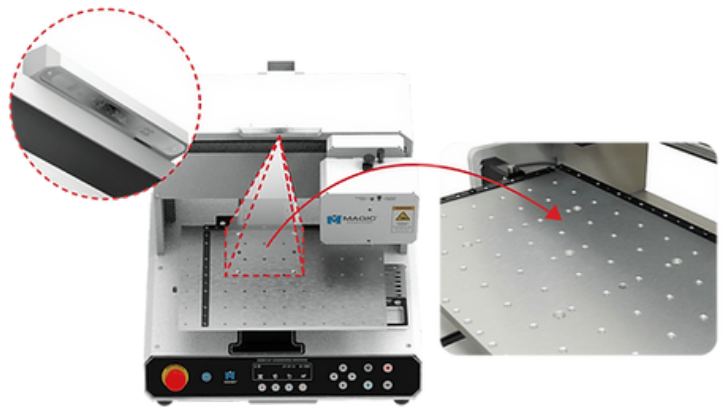

EASY CONTROL OF ENGRAVING POSITION:

The embedded camera enables easy control of the engraving position.

The machine enables intuitive operation through the use of an embedded camera that directly shows the engraving area on the material.
A laser pointer is also built in for users to easily locate and adjust engraving positions.
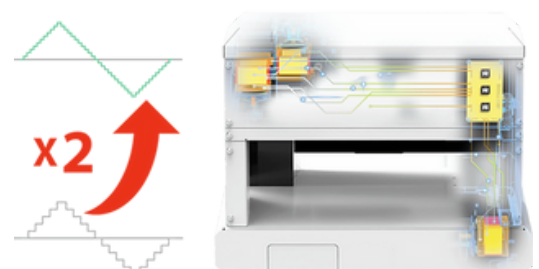It is designed for quick and easy engraving for all as no preparation is needed.
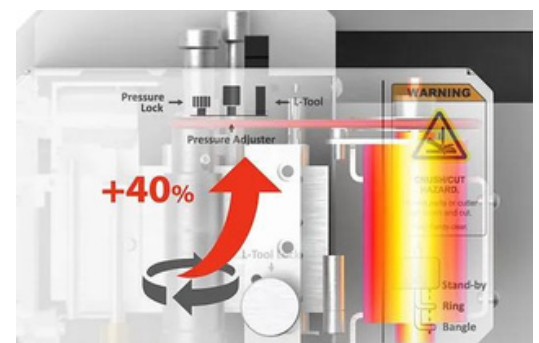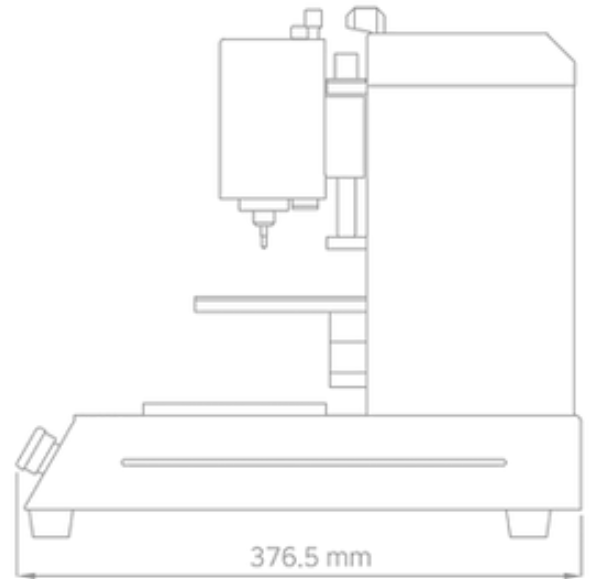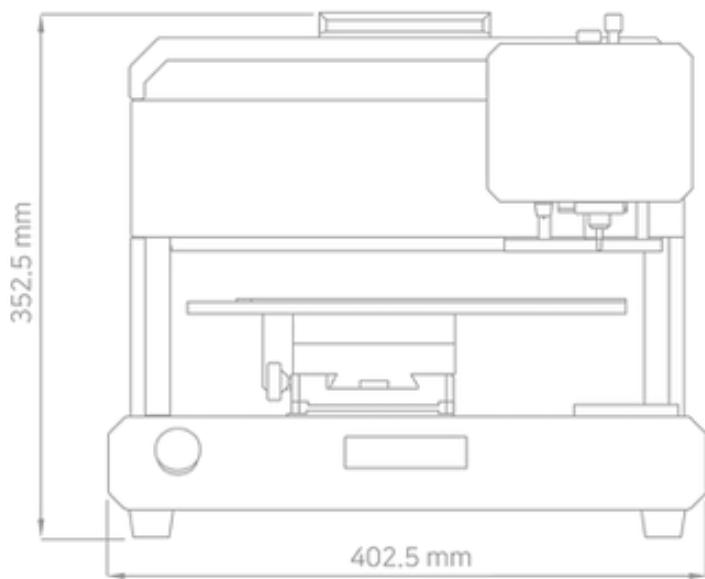

LATES THIRD GENERATION MOTOR CONTROL SYSTEM:

The newly-developed third generation motor control system controls the machine with a resolution that is two times higher than that of its previous model, enabling high-quality, precise and accurate engraving and marking.

The machine has a resolution that is twice as high as the previous models. The designs/images are expressed in a more detailed, precise manner, producing higher engraving and marking quality.

The noise level of the machine is greatly reduced to create a favorable working environment.

TECHNICAL SPECIFICATIONS:

PRODOTTO	
Model	**MAGIC™-E4**
Size	402.5mm(W) x 376.5mm(D) x 352.5mm(H)
XYZ axis stroke	244mm(X) x 179mm(Y) x 40mm(Z)
Max material height	60mm
MAX. Engraving area	140mm(X) x 100mm(Y) x 38.5mm(Z)
Rotary operating range	Cylinder outside diameter: MAX. 92mm (X)
Spindle Motor RPM	MAX 15,000RPM
Spindle Motor power	38W
Weight	25 kg
Voltage	AC 100~240V, 50Hz/60Hz
Power Consumption	46W
Required Dimensions for installation	422mm
Temperature	0 ~ 40°C
Humidity	10 ~ 85%

BLUETOOTH	Bluetooth BLE(Bluetooth 5.0)/Communication Range:Class 2(32.8ft)/Tx Output:MAX +4dBm/Frequency Band : 2.4 GHz

CE