Multipurpose Desktop Engraving Machine

Powerful performance in compact size
MAGIC™-E7

Multipurpose Desktop Engraving Machine, MAGIC™-E7

MAGIC™- E7 is a third generation engraving machine developed from the first-and second-generation machines, built for easy and multipurpose use. It is a state-of-the-art engraving machine that produces precise, high-quality engraving, cutting and marking results on various products. It offers revolutionary functions and innovative features for fast and easy engraving operations for everyone. It is built with a great structural stability, and a modern aesthetic design that perfectly suit any workshops/workrooms.

It provides a wide range of functions to meet our customers' diverse needs. It is user-friendly, and features an easy-to-use software for easy machine operation. It also provides a variety of support tools and device options for fast and easy engraving.

Key Point

- User-friendly
- Compact-sized
- High-performing and multifunctional
- Stronger and higher-speed cutting performance
- Higher resolution and quality
- Auto measurement of materials and tools
- Easy control of engraving position with the use of a camera and a laser guide
- Has a built-in flat clamp and a rotary clamp
- Comes with diverse clamps and auxiliary devices
- Comes with a MagicEngrave™ software

Engraving Purposes

- Jewelry engraving
- Metal cutting
- Identification tags engraving
- Wood engraving
- Glass engraving
- Pen engraving
- Label/name tag engraving
- Rubber stamp engraving
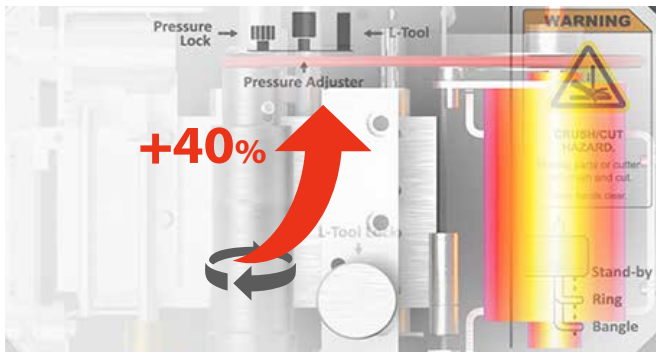- Industrial parts and components engraving

Customers

- Makerspace
- Promotional gift shops
- Merch stores
- Art and craft workshops
- Signs shops
- Accessory shops
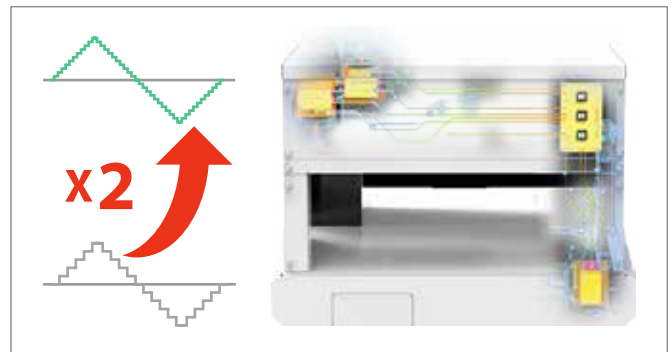- Jewelry shops
- Souvenir shops
- Hobbyists

Product features

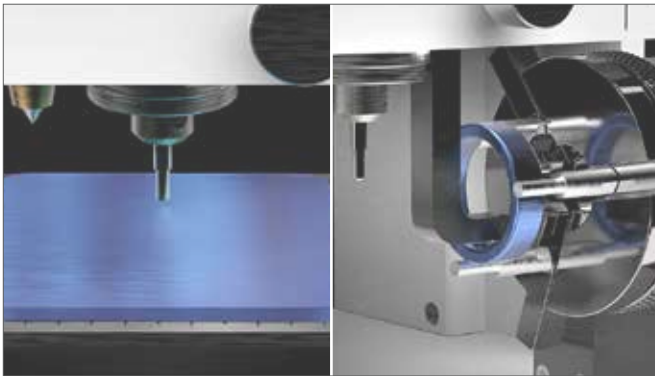## Stronger and Higher-speed Cutting Performance

- Equipped with a more powerful spindle motor with a spinning capacity of 15,000RPM.
- Compared to its previous models, E7 motor's cutting force is approximately 40% stronger, enabling a higher-speed cutting performance, improved cross section quality, and long lasting, durable tools.
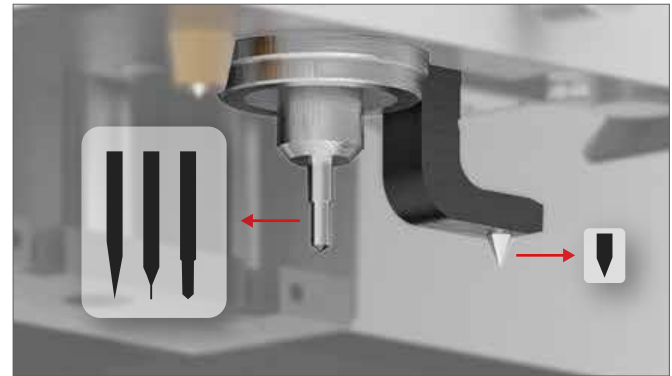
Higher Resolution and Quality

- Offers higher resolution and quality.
- Compared to its previous models, its resolution and quality are made two times higher to enable a quiet machine operation, and a precise, accurate and high-quality engraving on various products.

Multifunction: Flat and rotary clamps / engraving, cutting and marking
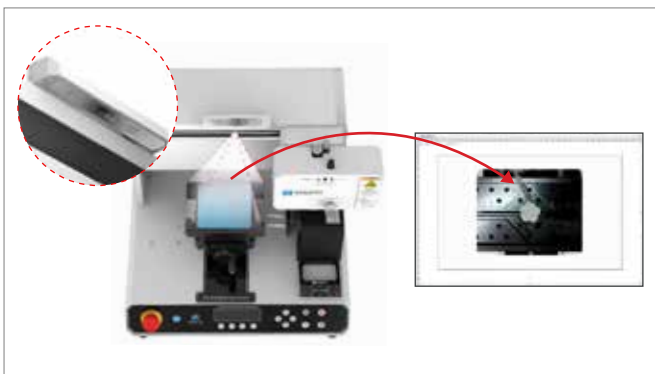

Flat and Rotary Engraving
- Performs both flat and rotary engraving - an all-in-one engraving machine
- Has a built-in flat clamp for engraving, cutting, and marking on objects such a pendants and plates.
- Has a built-in flat rotary clamp for engraving on the inside or outside of rings, bangles and pens.

Equipped with Various Tools
- Uses a variety of tools to facilitate various purposes for engraving, cutting, and marking.
- Has a built-in spindle rotation that rotates a tool to process the material during engraving operation.
- Provides a diamond tool that is used to engrave to scribe mark on different products.
- Provides other tools that are used to enhance marking effects.
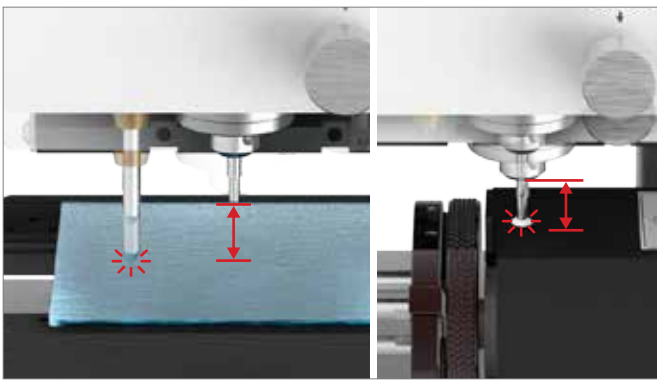
User-friendly Functions

Easy Control of Engraving Position
- Has a built-in camera that enables intuitive operation through a camera to easily position and align the composition (or design) on the workpiece's surface.
- Has a laser pointer that allows users to locate and adjust the engraving position with ease.

Easy Expansion of Functions
- Provides a detachable clamp to support the expansion of different engraving functions with the use of a single multifunctional pendant clamp.
- The pendant clamp can be transformed into 4 different types of clamps to facilitate engraving for different purposes-depending on the user's intention for use.

Auto Measurement

- Has an auto measurement function that allow easy use of the machine by automatically measuring the materials and tool.
- Has auto measurement sensors that measure the length of the tool and detect the height of the material.
- Has an auto tool-setting function where it automatically sets the tool to its origin point.
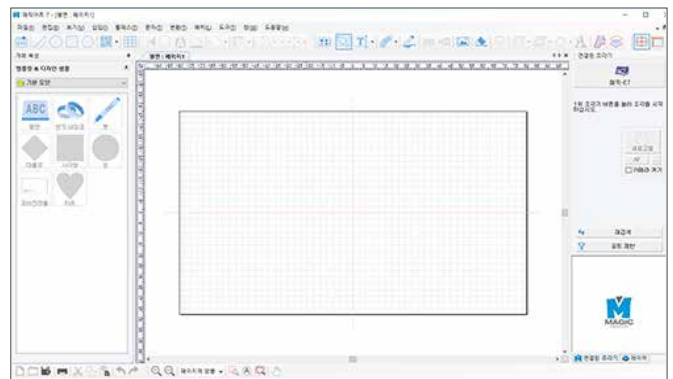

Bluetooth Connection

- Supports Bluetooth connection for easy operation of the machine. Compatible with most tablet devices such as Android tablet, iPad and Window tablet.
- Better, more efficient, fast and satisfactory engraving services can be offered by our users to their customers as their customers can directly communicate their requests and preferences to them.

Small and Modern Design and a User-friendly Software
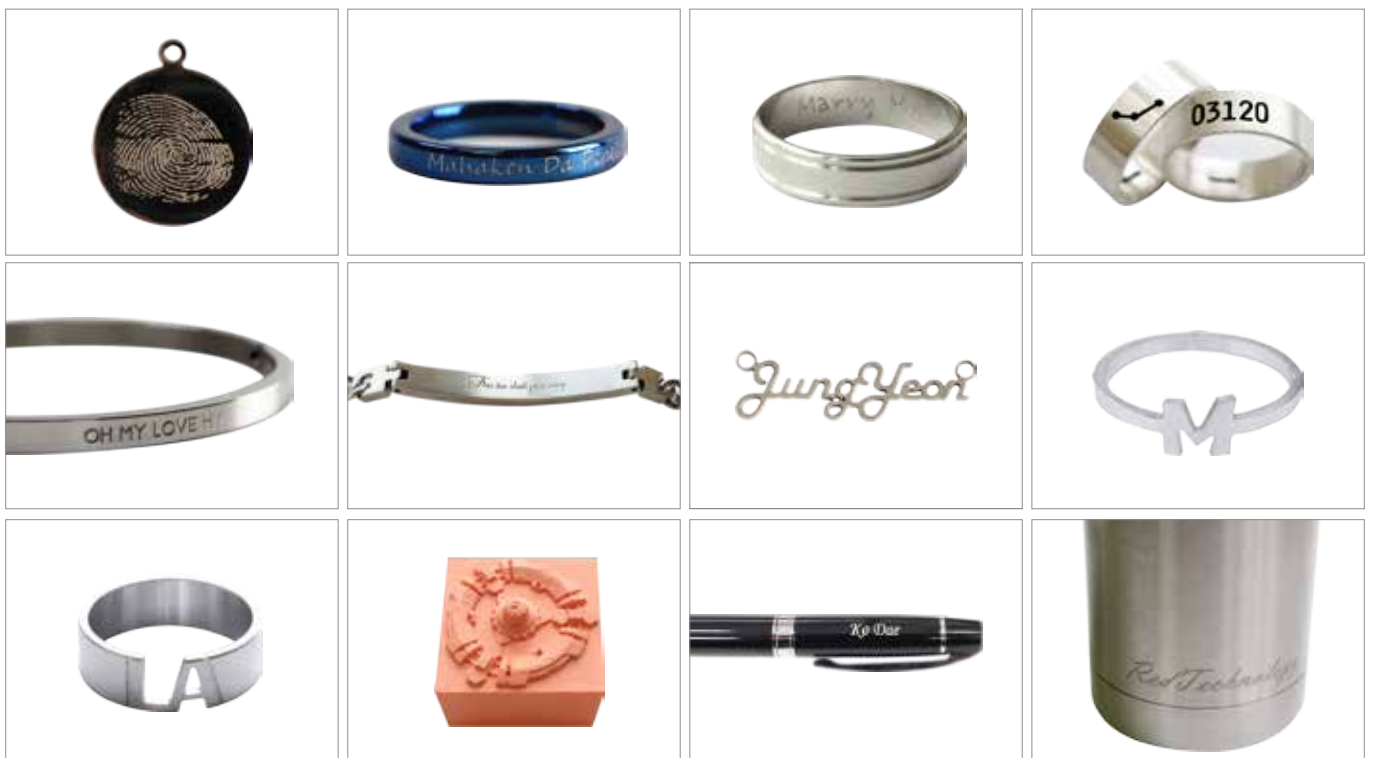

Small, Quiet and Modern

- Built small and light for easy installation
- Perfect for any workshops/workspaces due to its modern and sophisticated design.
- Runs quietly to promote a favorable work environment.

User-friendly Software

- Comes with an easy-to-use software called MagicEngrave ™ - a software specifically designed for easy machine operation.
- Enables easy use of the machine for wide-range purposes.
- Makes engraving, cutting and marking of materials simple and fast.

Sample

Various Applications

Carving/Milling

- Engraves letters, logos and patterns on name tags, labels and door signs with precision in a set size and depth.
- Engraves on various materials such as wood, acryl, modeling board, aluminum, and brass using different tools.

Plate Cutting

- Cuts different materials such as gold, silver, brass, aluminum, wood, acryl, plastics, and engraving waxes into desired forms.
- Cuts various materials to create labels or signages, name necklaces and other jewelries/accessories.

Pendant Engraving

- Engraves letters, logos and patterns on jewelry products with various materials such as necklaces, bracelets and pendants, as well as on pet tag tags, military IDs and baby bracelets.
- Guarantees a deep, lasting high-quality mark on every product.

Ring Engraving

- Engraves patterns, letters or names on the inside or outside of a ring using two separate embedded tools.

Bangle Engraving

- Engraves on the outside or inside of accessories with large diameters or on circular objects like bangles.
- Enables auto marking when switched to the desired mode (i.e., inner/outer surface engraving mode).
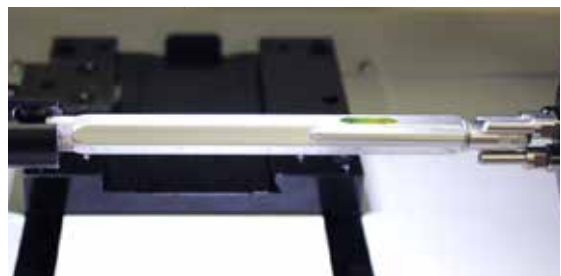
Photo Engraving

- Engraves photographs/images using dots.
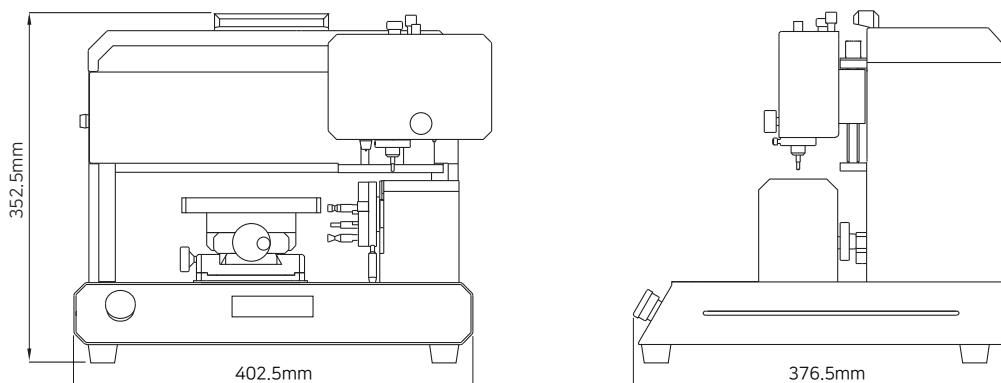
Tumbler Engraving

- Engraves on cylindrical objects such as tumblers, mugs, wine glasses, and other type of glasses.
- A tailstock is used to firmly hold various cylindrical objects in place during engraving process.

Pen Engraving

- Engraves on pens with different forms and lengths.
- A pen clamp is used to firmly hold pens with different sizes and forms in place during engraving process.

Technical Specifications

352.5mm

402.5mm

376.5mm

Model	MAGIC™-E4	Spindle Motor RPM	MAX 15,000RPM
Size	402.5mm(W) x 376.5mm(D) x 352.5mm(H)	Spindle Motor power	38W
XYZ axis stroke	238mm(X) x 178mm(Y) x 38.5mm(Z)	Weight	57.32 lb
Max material height	60mm	Voltage	AC 100~240V, 50Hz/60Hz
MAX. Engraving area	140mm(X) x 100mm(Y) x 38.5mm(Z)	Power consumption	47W
Rotary operating range	Cylinder outside diameter: MAX. 92mm (X)	Required Dimensions for installation	422mm
Rotary operating range	Cylinder inside diameter: MAX. 14mm (X)	Temperature/Humidity	15 ~ 40℃/10 ~ 90%
Bluetooth	Bluetooth BLE(Bluetooth 5.0) / Communication Range : Class 2(32.8ft) / Tx Output : MAX +4dBm / Frequency Band : 2.4 GHz		

Device Options

Dust collector (dry type)
A device that sucks in chips and dust generated from engraving acryl, modeling board, etc.

Dust collector (wet type)
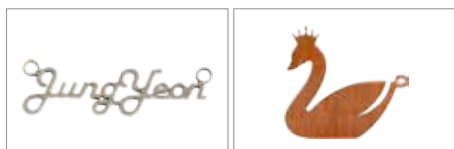A device that sucks in chips and dust generated from engraving acryl, modeling board, etc.

Tailstock
A clamp that firmly holds long cylindrical objects in place like pens, tumblers, and wine glasses to prevent them from tilting to one side.

Cutting clamp
A clamp that firmly holds the materials in place while the machine cuts the materials (which requires the use of cutting oil during the process).

Bracelet Jig
A jig that firmly holds materials with curved surface in place like bracelets.

Ring adapter
An adapter that firmly holds a ring in place while using a tailstock when engraving and cutting on the inside/outside of a ring.