

Compact Engraving Machine

MAGIC™-S3





Compact Engraving Machine, MAGIC™-S3

MAGIC™-S3 is a third-generation multipurpose desktop engraving machine that provides outstanding performance, excellent structural stability and modern design. It is the perfect engraving machine for engraving flat-type materials. It designed with revolutionary features and functions for easy and fast engraving of materials with various forms and sizes.

It is easy and simple to use, and provides a wide range of functions and a powerful performance. It is especially built for multipurpose use, and is designed to make engraving and marking on a variety of products and materials like pet IDs, jewelries, accessories, cosmetic/perfume cases, and industrial name plates and parts, easy and fast.

Key Points

- Allows engraving on acryl, various kinds of plastics, glasses, wood, modeling board, etc.
- Engraves on gold, silver, brass, and all kinds of metals including stainless steel and aluminum.
- Guarantees deep, lasting, high-quality and permanent engravings with a shiny and polished finish using a diamond scribing tool.
- Comes with wide work range, making it possible to engrave on large-scale materials
- Has a built-in camera and a laser for intuitive, easy control of engraving position.
- Automatically measures the height of the material and tool length.
- Enables cost-efficient maintenance with low-cost supplies.
- Light, compact and easy to use and/operate.

Engraving Purposes

- Pendants/pet tag engraving
- Label/signage engraving
- Name plate engraving
- Pen engraving
- Industrial parts/components engraving
- Glass engraving
- Souvenir item engraving
- Promotional gift engraving
- Metal engraving
- Cosmetic/perfume case engraving

Customers

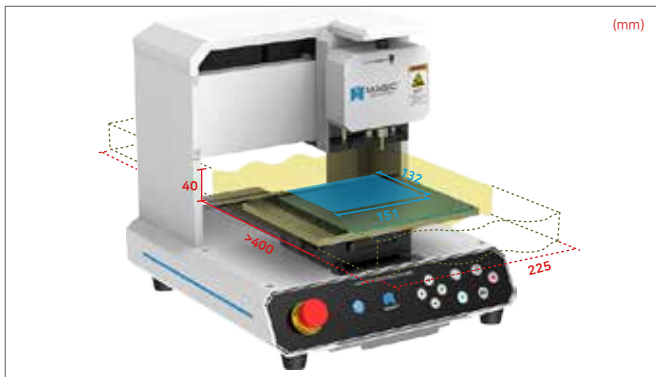
- Makerspace
- Promotional gift shops
- Merch stores
- Art and craft workshops
- Signs shops
- Accessory shops
- Jewelry shops
- Souvenir shops
- Hobbyists

Engraving Materials

- Titanium
- Aluminum, Anodized Aluminum
- Brass
- Precious metals such as gold, silver and platinum
- Steel
- Stainless Steel
- Plated Metal
- Plastic
- Glass
- Others

Product Features

■ Versatile Functions



A Wide Work Area

- Equipped with a wider engraving area to enable size expansion of the materials to be engraved.
- Uses a flatbed clamp to firmly hold materials with sizes larger in place, approximately-225mm x 400mm size.



Easy Expansion of Functions

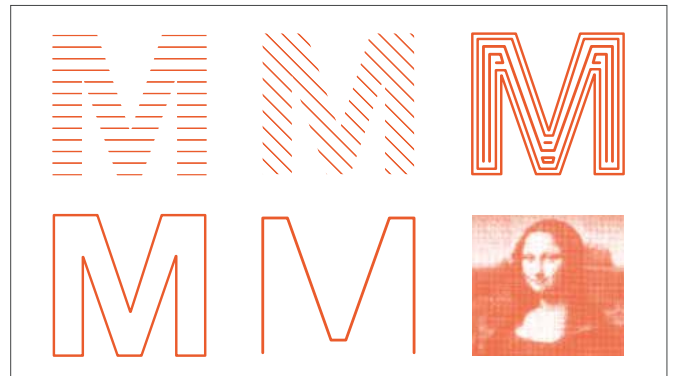
- Provides a detachable clamp to support the expansion of different engraving functions with the use of a single multifunctional pendant clamp.
- The pendant clamp can be transformed into 4 different types of clamps to facilitate engraving for different purposes-depending on the user's intention for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

■ High Quality Scribing Marking



High-quality Scribe Marking

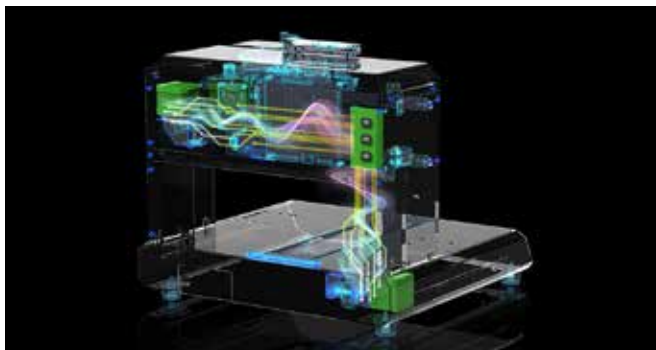
- Utilizes diamond scribing method with the use of a diamond tool.
- Creates a deep, lasting, permanent mark while maintaining the material's original color.
- Leaves a shiny, smooth, polished finish similar to handcrafted products.



Various Engraving Effects

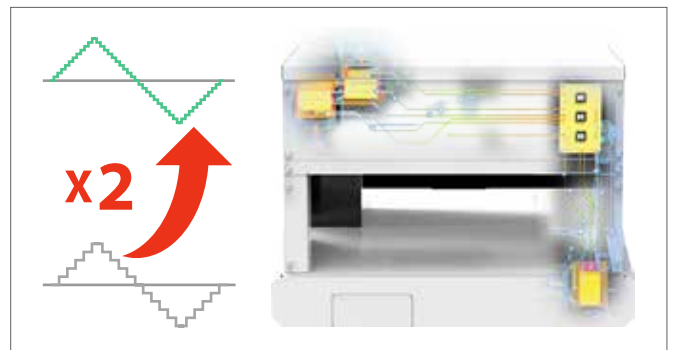
- Enables application of various effects on engravings to create a more defined, high-quality marks such as: hatching line, diagonal/cross line, contour line, outline, single line and photo marking.

■ Third Generation Multipurpose Desktop Marking Machine



Innovative Functions and Features

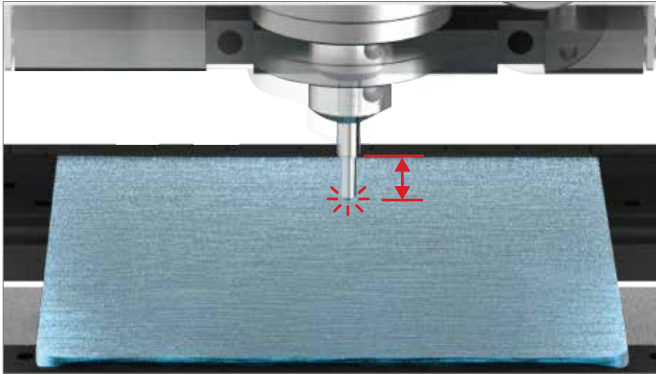
- Offers innovative functions and features for easy operation.
- Redesigned and developed following the new and latest technology
- Provides our customers with the most efficient and most advanced engraving machine in the market that produces precise, lasting, high-quality engraving results.



Latest Motor Control System

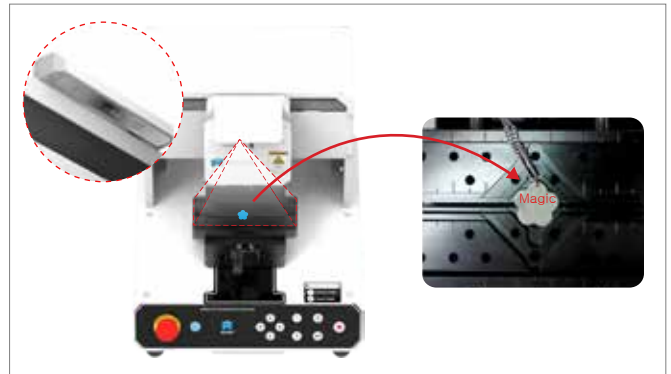
- Has a motor control system that is two times higher than that of its previous model.
- Produces high-quality, precise and accurate engraving.
- Runs quietly and smoothly to create a favorable working environment.

■ User-friendly Functions



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.



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.



High-Speed Marking

- Built for high-speed marking with the use of a diamond tool.
- Ensures high quality marking on various materials at a high speed.



Bluetooth Connection

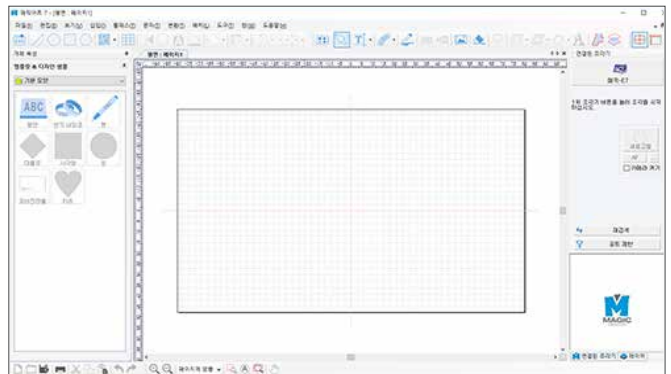
- Supports Bluetooth connection for easy operation of the machine.
- Compatible with most tablet devices such as Android tablet, iPad and Window tablet.
- Better, more efficient, fast and satisfactory engraving services can be offered by our users to their customers as their customers can directly communicate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

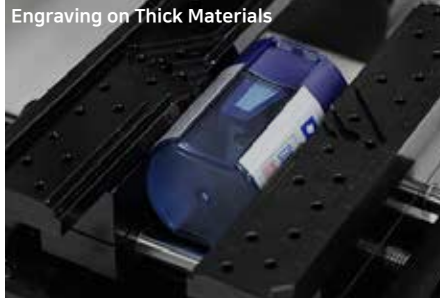
Various Applications

Pendant Engraving



- Engraves letters, logos and patterns on various jewelry products, pet tag tags, military IDs, baby necklaces, souvenirs and promotional gifts.
- Engraves on various materials such as gold, silver, brass, aluminum, stainless steel, titanium, plastic, and glass.

Engraving on Thick Materials



- Engraves materials with different thicknesses.
- Equipped with a height adjustable clamp to adjust to the height of the material.
- Various jigs are used to firmly hold materials with different thicknesses in place.

Engraving on Various Products (for personalization)



- Engraves names, dates and messages on various products like watches (bask case), lighters, or knives for personalization.
- A jig is used to firmly hold materials with different shapes and sizes in place for easy and quick engraving.

Industrial Parts Engraving



- Engraves fonts, sizes and contents on various industrial parts or components.

Engraving on Curved Surfaces



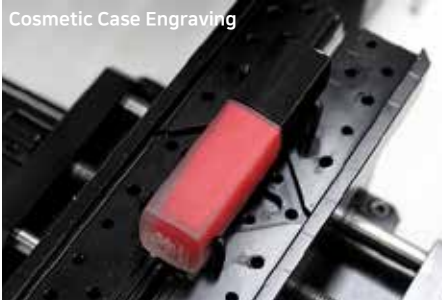
- Engraves on metals with curved surfaces such as bracelet, pen, hip flask, and ball.

Pet Tag Engraving



- Engraves on a wide range of materials like aluminum, plated metal, and plastic for pet tags.

Cosmetic Case Engraving



- Engraves initials, logos and messages on various cosmetic/perfume cases, caps or lids.

Photo Engraving



- Engraves photographs/images using dots.

Industrial Nameplate Engraving



- Creates unfading, permanent, and lasting, engravings on industrial nameplates such as product nameplates and machine nameplates.

Lighter Engraving



- Engraves letters, logos or patterns on lighters made of stainless steel, brass or plated metal.

Military ID marking



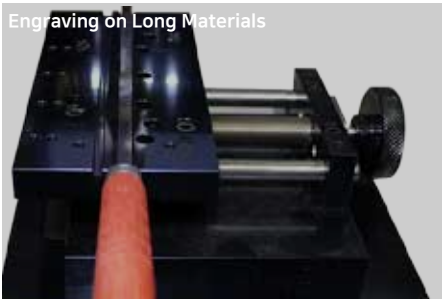
- Mark on military IDs made of stainless steel, etc.

Name Tag Engraving



- Engraves letters, logos and patterns on various name tags.

Engraving on Long Materials



- Engraves on materials with long sizes.
- Has an open front and back to allow accommodation of materials with longer sizes.

Pen Engraving



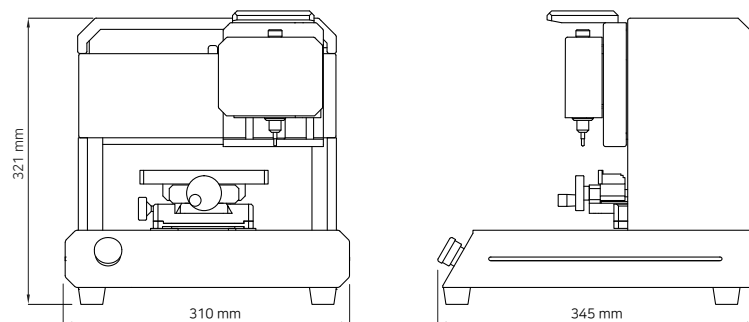
- Engraves on pens with different forms and lengths.
- A pen clamp is used to firmly hold pens with different sizes and forms in place during engraving process.

Engraving on Various Products



- Engraves names, dates and messages on various products with ease.
- A jig to is used to firmly hold materials with different shapes and sizes in place for easy and quick engraving.

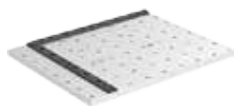
Technical Specifications



Model	MAGIC™-S3	Weight	20Kg
Size	310mm(W) x 345mm(D) x 321mm(H)	Voltage	AC 100~240V, 50Hz/60Hz
XYZ axis stroke	151mm(X) x 132mm(Y) x 39mm(Z)	Power consumption	24W
Resolution	0.0025mm(XY) / 0.000625mm(Z) / 0.028125°(A)	Flat engraving area	145mm x 120mm
Max material height	40mm	Temperature/ Humidity	0 ~ 40° / 10 ~ 85%
Bluetooth	Bluetooth BLE(Bluetooth 5.0) / Communication Range : Class 2(32.8ft) / Tx Output : MAX +4dBm / Frequency Band : 2.4 GHz		

Device Options

Multipurpose Pendant Clamp



A jaw-type clamp that firmly holds materials with various sizes and shapes in place like pendants and plates.

Bangle Jig



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

Watch Jig



A clamp that firmly holds a watch in place while marking on its back case.

Spoon Jig



A cutlery clamp that firmly holds long and asymmetrical materials in place like spoons, forks, and chopsticks.

Clamp Pins



A clamp pin is used to firmly hold objects/materials with different thickness and/or irregular shapes in place—that a basic clamp may not hold like pendants, accessories, or pens.

Tablet PC



MAGIC™-S3 supports Bluetooth wireless connection based on a touch interface for easy operation of the machine without the use of any PC or cable connection. This feature can be utilized for client counseling and marking services.

Samples

