HeatSign

The Science of Marking

Empower Precision
Inspire Creation

# 3D Crystal Laser Engraving Machine

**HS-GL20P**

www.heatsign.com

# Overview of HeatSign 3D Crystal Photo Machine

The 3D Crystal Laser Engraving Machine creates detailed, three-dimensional engravings inside crystal and glass. Ideal for personalized gifts, corporate awards, and artistic pieces, it features easy operation, one-click printing, and network sharing. Compact and efficient, it's perfect for businesses seeking high-quality engraving solutions.

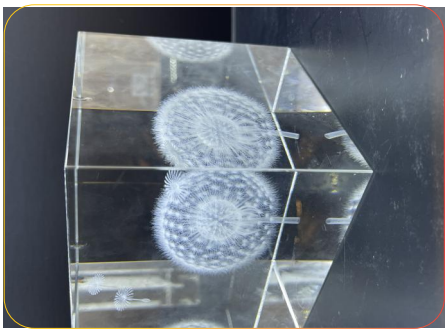
**Zero Learning Cost：**
Easy to set up and use right out of the box with minimal training.

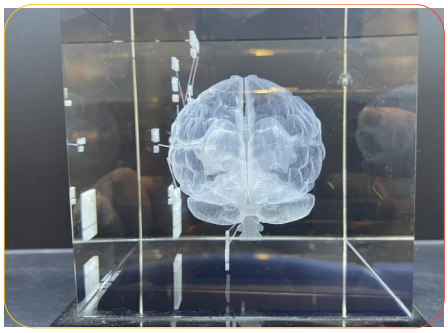
**One-Click Printing:**
Advanced software for smooth, efficient engraving with one-click operation.

**Stand-Alone & Network Sharing：**
Operates independently and supports network sharing for collaborative use.

**Compact & Lightweight:**
Streamlined design, weighing only 10kg, suitable for any workspace.

**High Precision:**
Solid-state laser technology with a wavelength of 532nm for accurate, detailed engravings.





***At HeatSign, we're not just offering a product, but a commitment to precision and innovation in marking solutions.***

# Features & Benefits

### Creative Flexibility:

Perfect for personalized gifts and artistic projects, can permanently mark on a variety of materials including crystal, glass, acrylic, and some metal.

### Eco-Friendly:

Lower environmental impact due to the absence of disposable ink cartridges and toners.

### Wi-Fi Connectivity:

Conveniently transfer documents or photos wirelessly from your cell phone or computer to the machine for printing.

### High Scan Speed:

Up to 4000 mm/s for rapid marking.

### Template Creation and Storage:

Create and save custom templates for recurring projects.

### Easy Operating System:

User-friendly design allows for quick learning and less downtime.

### Cost Savings:

Enjoy the economic benefits of reduced energy bills and no consumable purchases.

***These features offer a reliable, efficient, and cost-effective solution for your marking and engraving needs.***

# Machine Specification

| | |
|---|---|
| Laser Type | UV Laser |
| Cooling Mode | Air Cooling |
| Wave Length | 355nm |
| Brand Name | HeatSign |
| Laser Frequency | 2kHz |
| Laser Lifetime | More than 20,000 Hours |
| Laser Safety Class | 1M(IEC 60825-1) |
| Warranty of core components | 1 year |
| Weight (KG) | Approx. 19kg |
| WiFi | 802.11b/g/n,2.4GHz/5GHz |
| Power Supply | 100-240V/50-60HZ |
| Printing Area | Metal Materials |
| Print Standard Line Width | 70x70x50(H)mm |
| Material Size Limit: | 150x150x100(H)mm |
| Operating Environment | Temperature 10-30°CHumidity 10-80%RH,without Condensation |

# Machine Applications

Here are the eight applications of the HeatSign 3D Crystal Laser Engraving Machine:

**Corporate Awards & Recognition:** Produce elegant crystal awards and trophies with internal 3D logos, employee names, and achievement details.

**Promotional & Branding Crystal Items:** Engrave company logos, slogans, and campaign visuals inside crystal for high-end promotional use.

**Commemorative & Memorial Crystal Products:** Produce detailed memorial crystals that preserve portraits, dates, and messages inside the crystal body.

**Artistic & Decorative Crystal Creations:** Support artists and designers in creating complex 3D decorative designs inside crystal, including abstract art, figurines, landmarks, and custom patterns.

No surface damage—designs remain sealed inside the crystal forever.

***This machine is a versatile tool that caters to diverse marking and engraving needs across industries.***

# Why Choose Us?

## Our Crystal Laser Photo Machine

- Sturdy structure, small volume, light weight, only about 20kg
- Easy-to-use touch screen software
- built-in multi-material stencils including crystals
- Covers all glass, acrylic, crystal, aluminum oxide, leaves, wood, etc.
- 2D engraving graphics, text, etc. to support a variety of formats
- Economically priced
- Supports efficient photo engraving on crystal, glass, leaves, wood

VS

## Other laser marking machine

- Large size and weight, usually over 100kg.
- Complex software requires specialized training
- Testing and parameterization are required each time.
- Engraving a few metal matreials
- Requires specialized software, professional for drawing
- Entry levell software, less features
- Expensive, high initial investment

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