



**HeatSign**  
The Science of Marking



# **UV LASER MARKING MACHINE**

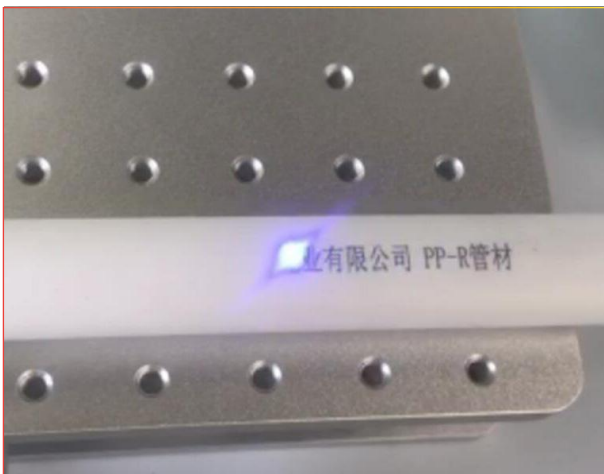
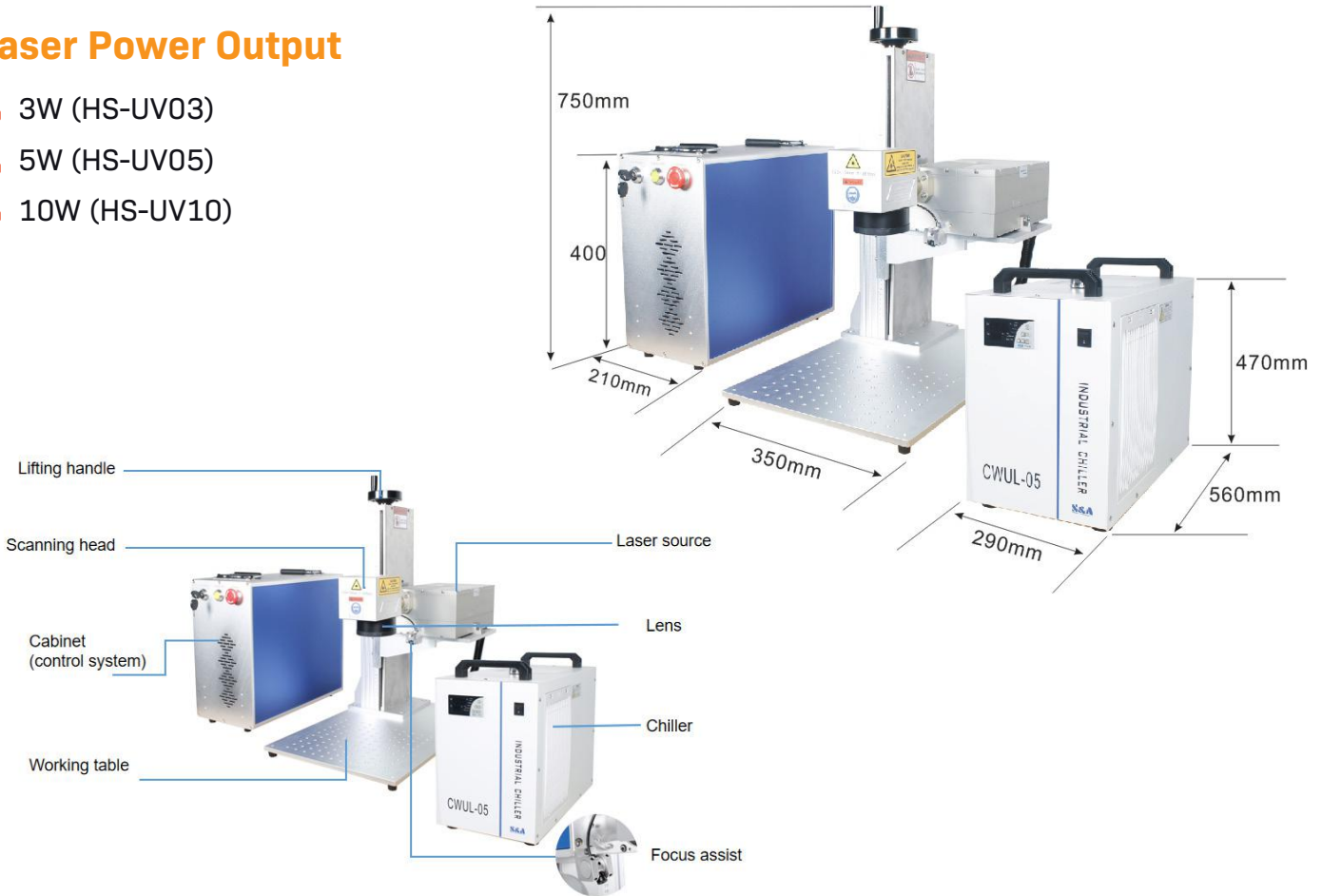
(HS-UV03 / HS-UV05 / HS-UV10)

# UV LASER MARKING MACHINE

(HS-UV03 / HS-UV05 /HS-UV10)

## Laser Power Output

- 🔥 3W (HS-UV03)
- 🔥 5W (HS-UV05)
- 🔥 10W (HS-UV10)



- 🔥 UV laser adopt 355nm cold light source, which can create highly accurate and beautiful markings on your products.
- 🔥 Easy to use, Small Focusing spot, can mark on most materials, especially on plastic, can engrave beautiful results.
- 🔥 Industry design, durable and long life, can support production line marking.

Ultraviolet laser marking machine belongs to a series of laser processing technology. It uses 355nm UV laser as the light source. The machine uses third-order intracavity frequency doubling technology to compare with infrared laser (pulsed fiber laser), 355 ultraviolet focusing spot. Small, can greatly reduce the mechanical deformation of the material and has little influence on the processing heat, because it is mainly used for superfine marking, engraving, cutting.

## Features & Benefits

The UV Laser Marking System 3W,5W and 10W options is high accuracy laser machine, perfectly suitable high precise, high speed permanent mark and code on various materials. It is especially suitable for applications such as marking of food and pharmaceutical packaging materials, micropores, high-speed division of glass materials, and complex graphic engraving of wafer wafers.

### Design 1



### Reliability

- 🔥 No fear of shock during operation
- 🔥 Superior quality laser module (working life more than 20000 hours)
- 🔥 Ability to work 24/7 continuously

### Performance

- 🔥 Highly versatile and offers high-precision marking
- 🔥 Marks all surfaces with a min. line width of 0.01mm
- 🔥 Bar Code/2d Code marking possible
- 🔥 High speed marking of up to 7000mm/s
- 🔥 Supports high-definition logo and image marking

### Design 2



### Ease-of-Use

- 🔥 Easy to move and operate
- 🔥 Air cooling or water cooling, easy to maintenance.

### Design 3



### Customized is available

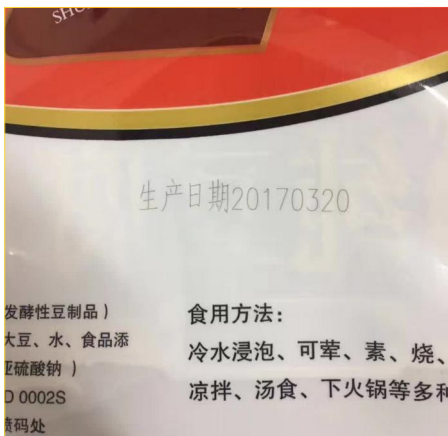
- 🔥 Standard Marking area: 110mm x 110mm
- 🔥 Optional marking area: 200mm x 200mm / 300mm x 300mm
- 🔥 Automatic solution is available
- 🔥 Rotary engraving solution is available

## Technical Specification

Model	HS-UV03	HS-UV05	HS-UV10
Marking Area	110×110mm(4.3×4.3in) 150×150mm(5.9×5.9in) 175×175mm (6.9×6.9in) 200×200mm ( 7.87×7.87in) 300mm×300mm (11.8 x 11.8in)	Optional	Optional
Maximum Material Thickness	300mm(11.8in)@110×110mm 250mm(9.8in) @150 ×150mm 206mm(8.1in)@175×175mm	Optional	Optional
Laser Type	JPT / Huaray / INNGU LASER	Optional	Optional
Output power adjustment range	10%-100%	Optional	Optional
Marking Speed	≤7m/s(275.6in/s)	≤7m/s(275.6in/s)	≤7m/s(275.6in/s)
Engraving Depth	≤0.2mm(0.008in)	≤0.4mm(0.016in)	≤1mm(0.024in)
Power consumption	500W	800W	1000W
Electrical Requirements	110V-240V/50Hz-60Hz(According to local electricity supply).		

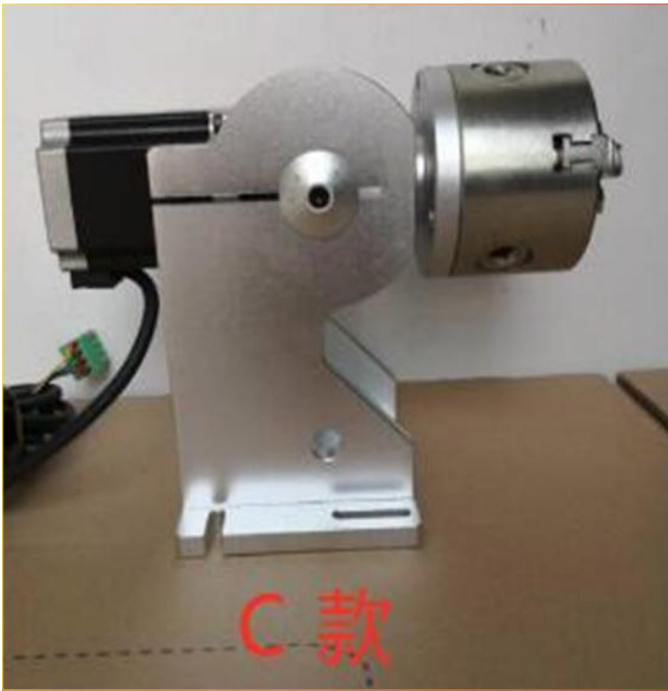
## Applications and Materials

UV laser can work on most kind of materials include metal and non-metals.





# OPTIONS & ACCESSORIES



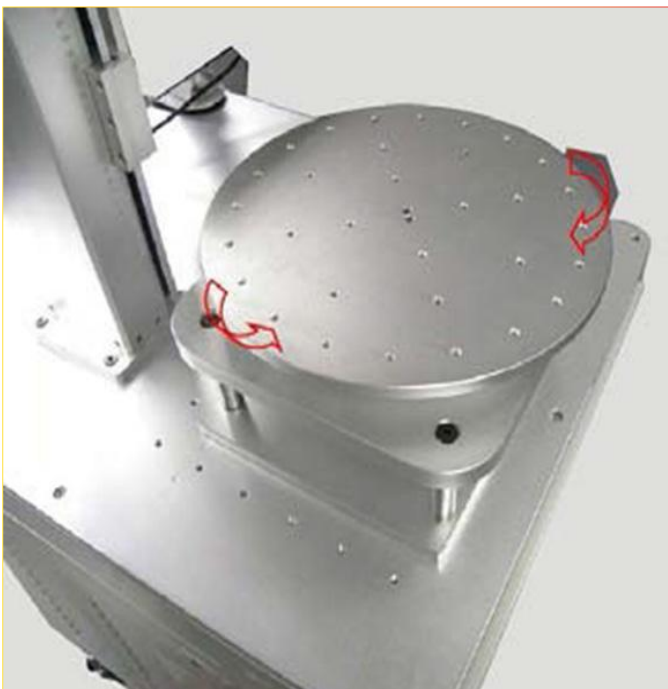
**Rotary Device**

Marking circles



**Auto Focus Head**

Auto adjust focus height to suitable various products



**Automatic Round Table**

Support you batch marking



**Production Marking Line**

Fully automatic customized solution



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