



# LSU3EA

## 3W UV LASER MARKING MACHINE

Wuhan Huagong Laser Engineering Co.,Ltd



<http://en.hglaser.com/>

## Advantages

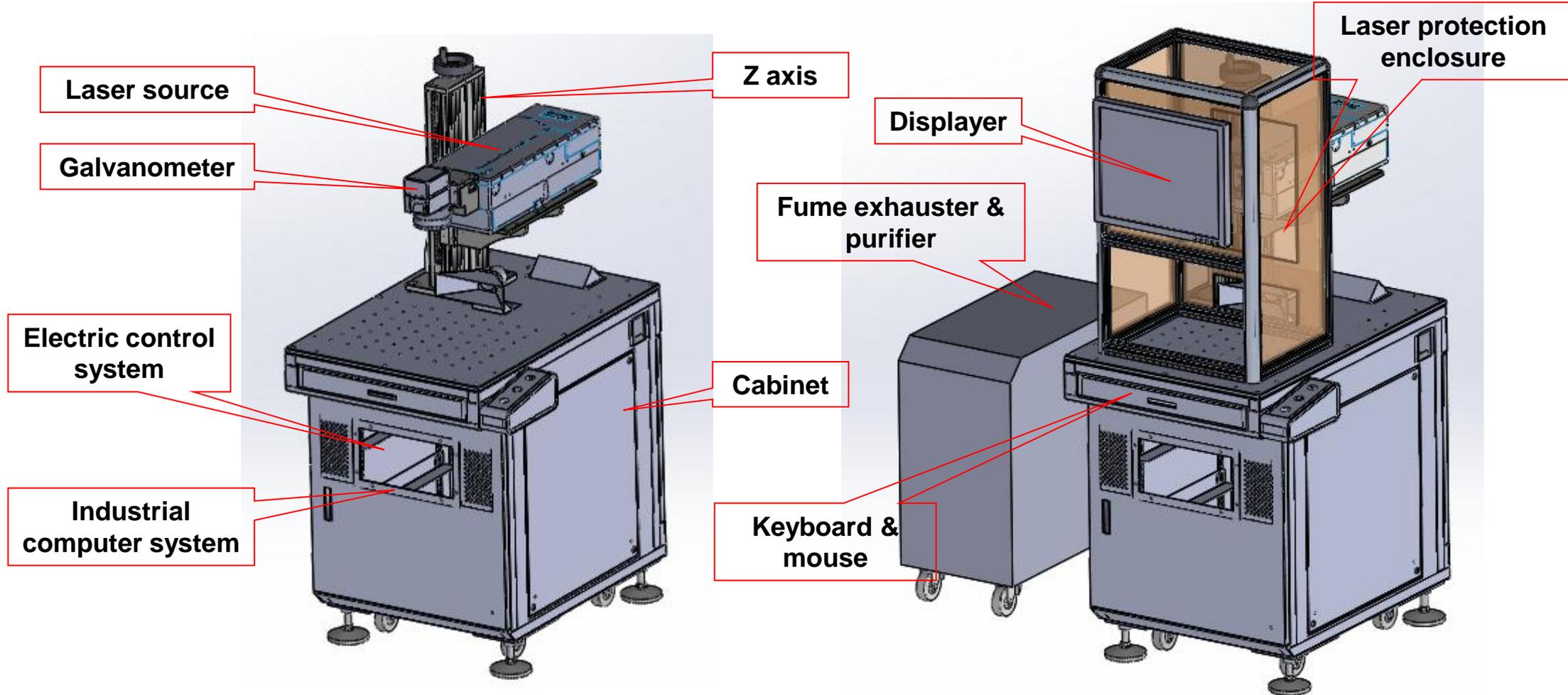
- **Advanced LASER SOURCE:**  
adopt Intracavity Frequency Doubling(**IFD**) and **TEC** cooling(diode cooling) technology, temperature control accuracy is more than 0.1 °C.
- Ultra precise laser output control, advanced reliability, stability and safety ;
- Advanced hardware control technology and intelligent software: official Win7 operation software, Spanish EZCAD marking software, integrated intelligent control with powerful functions;
- Low energy consumption: comparing with traditional laser marker, reduce 75% energy consumption;
- Easy maintenance: scientific structure design, easy for maintenance, LD average lifetime is more than 20,000 hours;
- Compact design: integrate laser source power cabinet into laser source, reduce 50% space occupied;

# 1. Brief Description

LSU3EA 3W UV Laser Marker is consist of laser source, galvanometer scanning system, electric control system, industrial computer system, Z axis lifting system and cabinet, laser protection enclosure, etc. Basic structure is as below(water cooling system is included by not displayed here):



## 2. Machine Structure



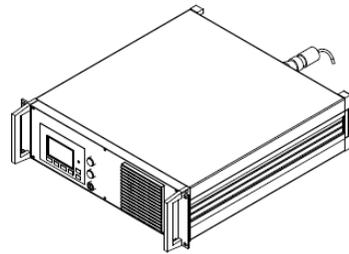
### 3. Laser source & water cooling system

- Integrated power supply into laser source, more compact design;
- Intracavity Frequency Doubling(**IFD**) and **TEC** cooling(diode cooling) technology, temperature control accuracy is more than 0.1°C.

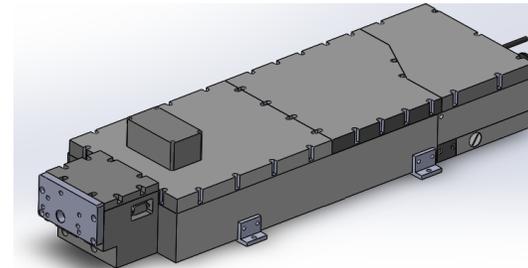
**1<sup>st</sup>  
generation:**



Water tank



Laser source  
power supply



UV laser source

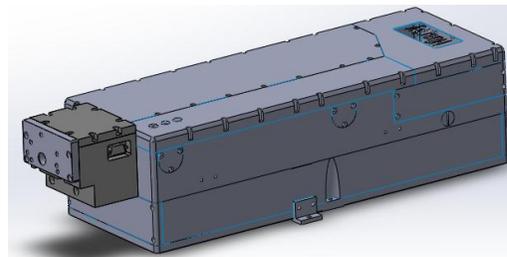


Other components

**LSU3EA:**



Water tank

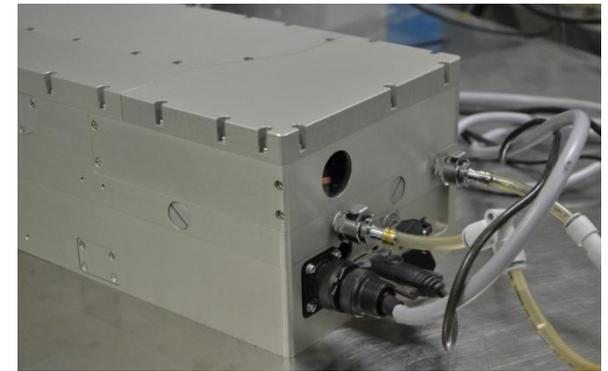
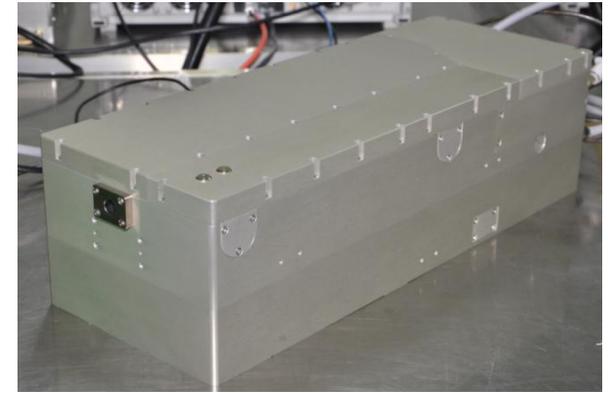
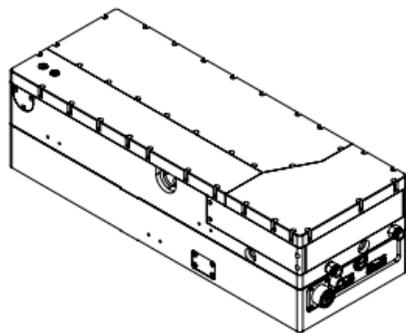
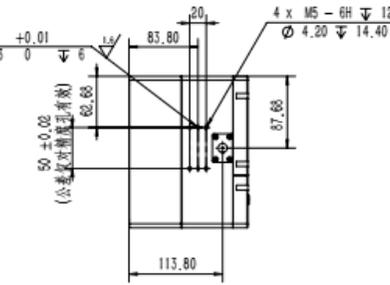
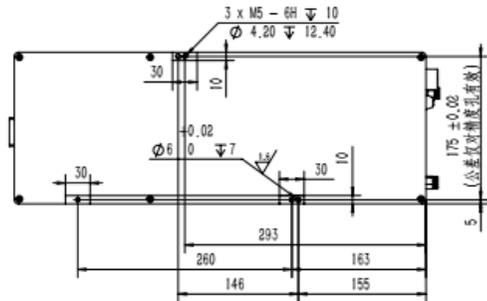
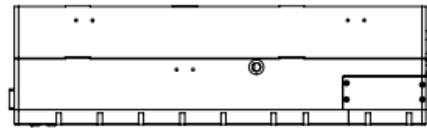
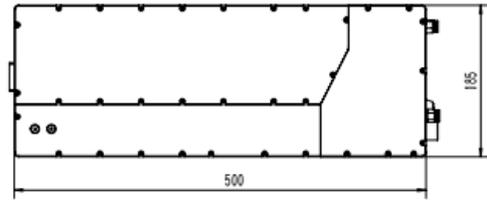
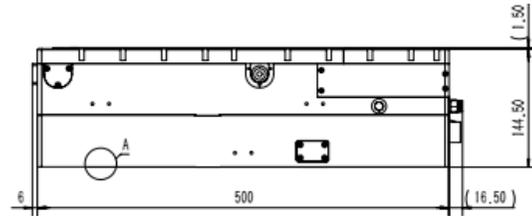
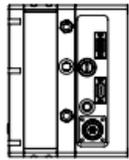
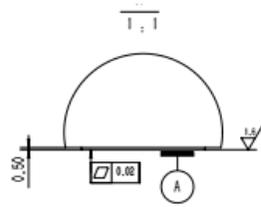


New UV laser source  
poplar-355-3A



Other components

# 4. Laser source appearance & dimension



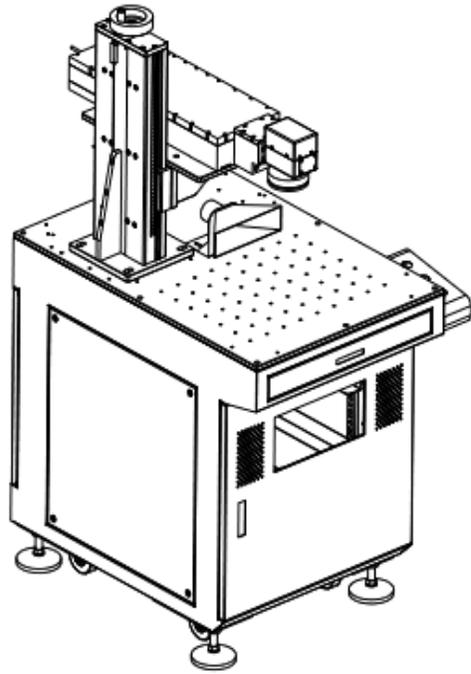
标记	数量	分区	更改文件号	签名	年月日	材料			
设计	李博		视角			铝			比例

WHHR.JMJX

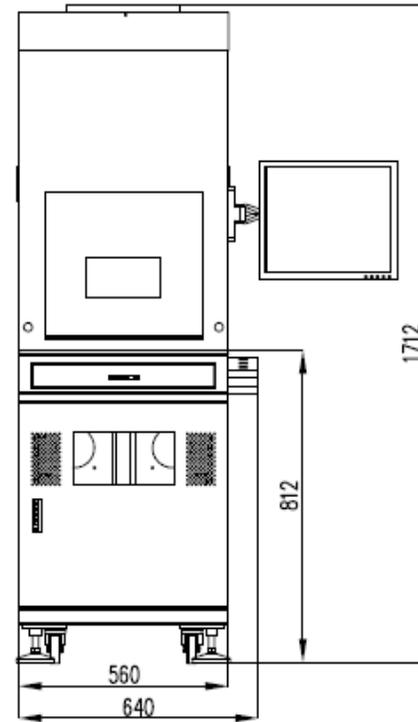
## 5. Main configurations

No.	Item	LSU3EA	Note
1	Laser source	Huaray 3w UV	poplar-355-3A
2	Galvanometer	HGTECH	High speed, stability
3	F- $\theta$ lens	HGTECH	Advanced optic components
4	Industrial computer	HGTECH	Competent to 24/7 continuous work, high stability and reliability
5	Control card	LMC USB	Stable performance
6	Marking software	EzCad	Spanish software, easy operation and powerful function
7	Lifting device	Z axis stroke 285mm	4 guide bars support, more reliable
8	Cabinet	Compact cabinet. Dimension: 640mm×820mm×820mm	Reinforce design, high anti-interference ability, heavy load ability, advanced sealing technology, good grounding.
9	Laser protection enclosure	HGTECH	CE standard
10	Water cooling system	HGTECH	Intelligent water cooling system

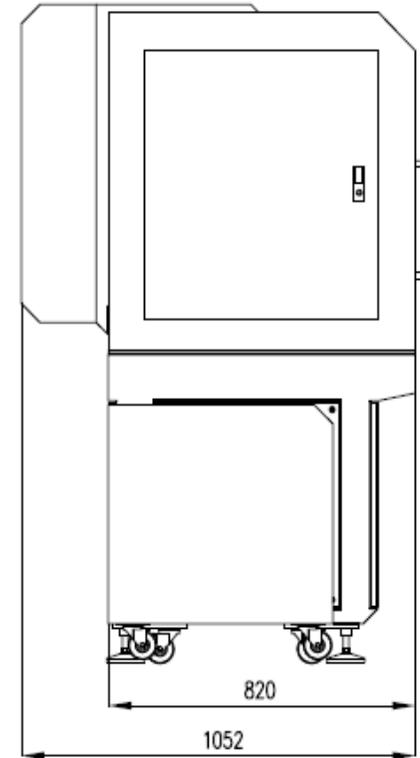
## 6. Main dimension



Without protection enclosure



With protection enclosure





**HGLASER**

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Wuhan Huagong Laser Engineering Co.,Ltd  
Stock code: 000988