

# HOLY LASER

## 3D CRYSTAL LASER SUBSURFACE ENGRAVING MACHINE

ZHEJIANG HOLY LASER TECHNOLOGY CO.,LTD.

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# Company Profile

ZHEJIANG HOLY LASER TECHNOLOGY CO.,LTD.



Established: June, 2006

Registered capital: 21 million Yuan

Number of employees: More than 130 people, over 100 people with college education

R & D team: 45 people

Service Content: Full set of industrial laser application solutions

We have sold our machine to more than 50 countries all over the world, like, USA, UK, France, Italy, Germany, Brazil, Russia, Korea, Japan, Mexico, Spain, Canada, Finland, Estonia, India, Indonesia, Egypt, Singapore, Laos, Myanmar, Vietnam, Mongolia, Mexico, Brunei, Thailand, Pakistan, Vietnam, Singapore, Iran, Turkey, Bahrain, France, Denmark, Sweden, Netherlands, Poland, Norway, Kuwait, Malaysia, Saudi Arabia, UAE, Palestine, Iran, Iraq, Israel, Syria, Romania, Bulgaria, Portugal, Morocco, Algeria, Malaysia, etc.

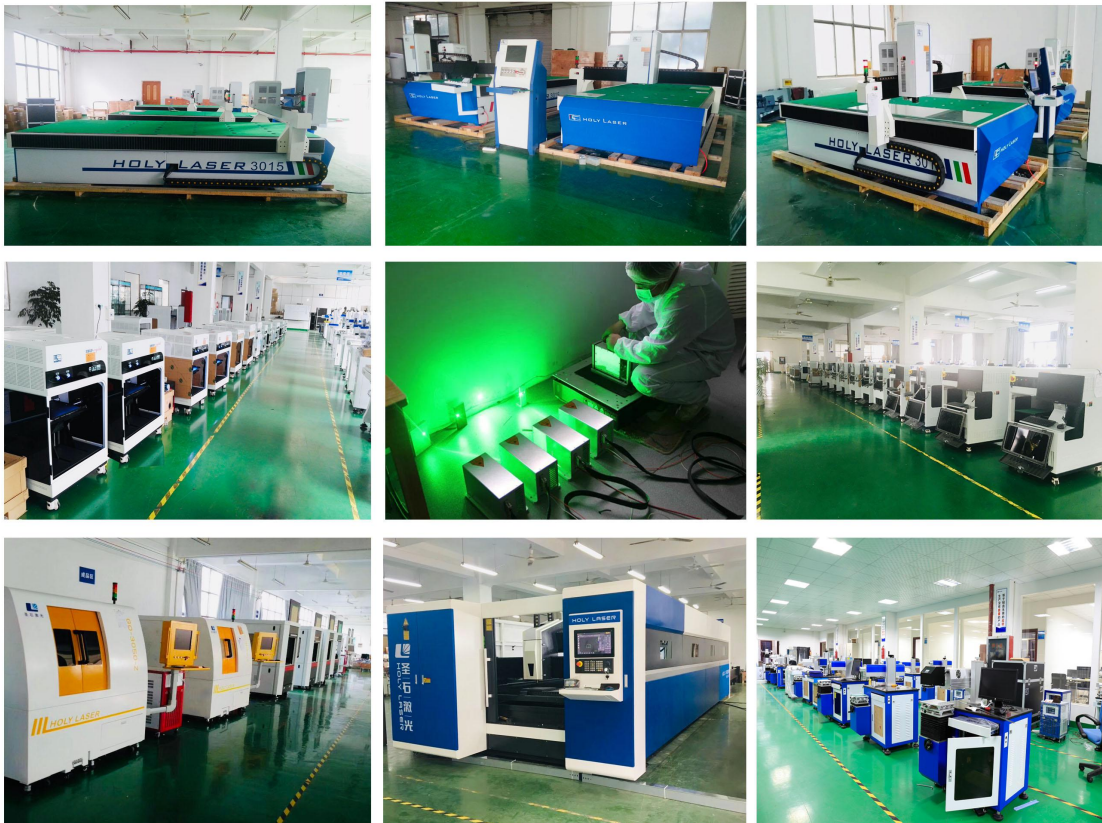
Products:3D laser inside engraving,Laser welding, laser cutting, laser marking,automation, robotics, series of equipments

Subsidiaries: Suzhou Branch, Wuhan Branch, Shenzhen Branch

Offices around the country: Set up offices and distributors in many key cities across the country, serving radiation throughout the country.

**HOLY LASER**

**FACTORY CORNER**





Patents and certifications: We have 1 invention patent, 21 utility model patents, 6 appearance patents and 4 computer software copyrights.



## Product Description

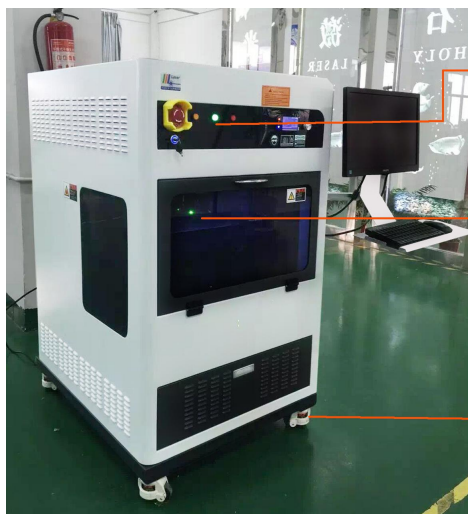
Our crystal and glass laser engraving machines are made using computer-controlled laser engraving machines. In fact, the most commonly seen crafts are not real crystals, but artificial crystals. "Laser" is the most useful tool for "engraving" artificial crystal (also known as "crystal glass"). Using laser engraving technology, the plane or three-dimensional pattern is "sculpted" inside the crystal glass.

### Equipment advantages:

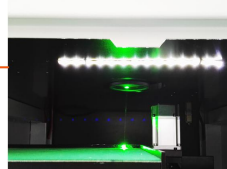
- Using advanced galvanometer technology with 3-5 KHZ diode-pumped YAG frequency-doubled laser, the explosion point is very fine and bright, engraving speed is faster, the pattern is more refined, vivid and lifelike;
- The key components are from Germany and the United States. The design is more reasonable and the long-term working stability is good.
- Equipped with self-developed software to create 3D portraits
- To meet the needs of personalization and batch rapid processing, a single device can meet multiple store network sales and e-commerce network sales.

## 1.Model No.:HSGP-5KB

# HOLYLASER



- EASY OPERATING



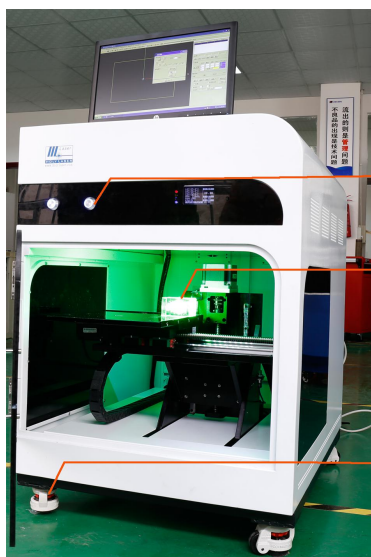
- GREEN LASER  
AUTO MOVED WORKTABLE



- MACHINE WHEELS WITH LOCK,  
EASY FOR MOVE. & FIX

## 2.Model No.:HSGP-4KB

# HOLYLASER



- EASY OPERATING



- GREEN LASER  
AUTO MOVED WORKTABLE



- MACHINE WHEELS WITH LOCK,  
EASY FOR MOVE. & FIX

### 3.Model No.:HSGP-3KD

**HOLYLASER**



- EASY OPERATING



- GREEN LASER  
AUTO MOVED WORKTABLE



- MACHINE WHEELS WITH LOCK,  
EASY FOR MOVE. & FIX



#### 4.Model No.:HSGP-3000(3D Camera)

**HOLYLASER**

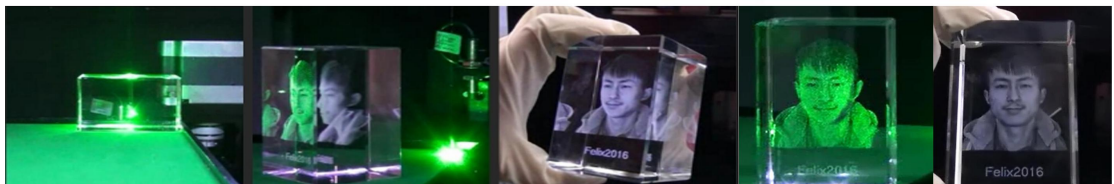


1.Measure the distance

2.Take photos

3.Auto-Build the 3D model

4.Input the 3D model & engraving



## **Technical Parameters**

Model	HSGP-5KB	HSGP-4KB	HSGP-3KD
Max.Working Area	300*400*130MM	300*400*130MM	150*200*80MM
Max.Working Speed	300,000 dots/min	240,000 dots/min	180,000 dots/min
Frequency	5000HZ	4000HZ	3000HZ
Focus Dia./ Resolution	0.02mm /800-1200 DPI		
Cooling	Air Cooling		
Laser Source	Holy Laser Self-developed		
Software	Holy Laser Self-developed		
Power consumed	≤1500W		
Dia. For Dots	40-80μm		
Max.Pulse Ennergy	1.2mj		
Laser Wavelength	532nm		
Laser Power	3W		
Beam Quality	M2<1.5		
Q-Mode	Autosto-optic-Q		
Laser Pumping	Semiconductor Diode		
Laser Head	One		
Cooling	Air Cooling		
Pulse Width	7ns		
Focus Diameter	≥ 100mm		
Power Supply	AC220V±10% 50-60HZ		

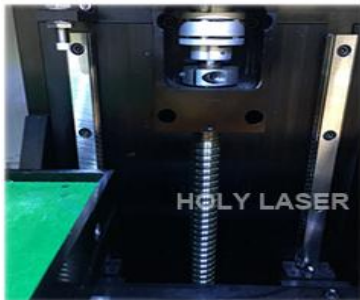
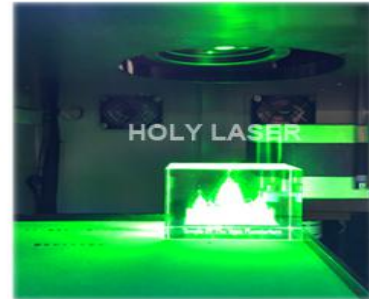


**Laser transport fiber cable wire:**

It's function is to transport the laser from laser source:  
if no laser machine will not work, in order to make sure the  
good quality we import from the most professional supplier.



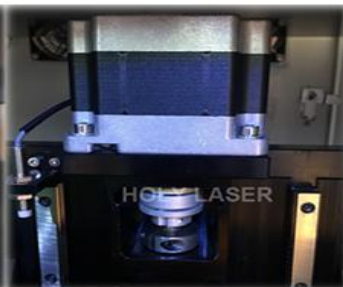
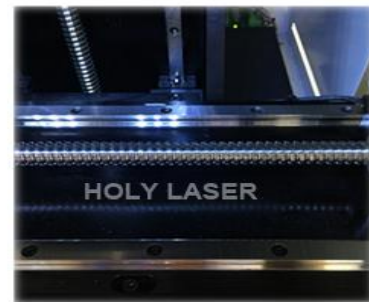
**Green laser come from the lens to work on the crystal, glass,  
metal or plastic to make the beautiful designs in 2d or 3D.**



**The screw road, guide rail and rotary  
for Z axis with high precision.**



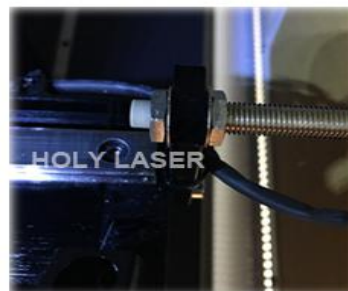
**The screw road, guide rail and rotary for  
X and Y axis with high precision.**



**The imported Japan Motor for X,Y, Z  
Axis to make sure smoothly moving**



**The X,Y, Z sensor is strong  
to protect high precision  
moving and engraving**



**Adopt imported stable aluminum material worktable specially  
used for engraving heavy loading.  
And with special material on surface to make sure no scrap  
will on the surface of crystal or glass.**



## Application

Can be widely used to open a shop in malls or tourism place, even can open a shop online for 2D, 3D crystal photo engraving , art photo engraving, personalized crystal gift engraving,high precision crystal product mass processing,glass decorating,glass marking,high-grade glass anti-counterfeiting and other areas.





# The Customers Visit

3D



## The Global Fairs 3D



### **After-Sales Service Commitment:**

If we start our business relationship, we will sign the contract in accordance with the final negotiation results and strictly perform the contractual obligations.

We provide **2 Years** warranty (except for wearing parts), we will respond in 24 Working hours for after-sales problems. If the problem cannot be solved remotely, after our technician confirms that it is necessary to send the damaged parts for repair or replacement, we will update maintenance progress within 48 hours after receiving the parts!



## Package & Shipping

- Professional waterproof protect film & foam
- Aluminum alloy flight case with Omni-directional wheels

