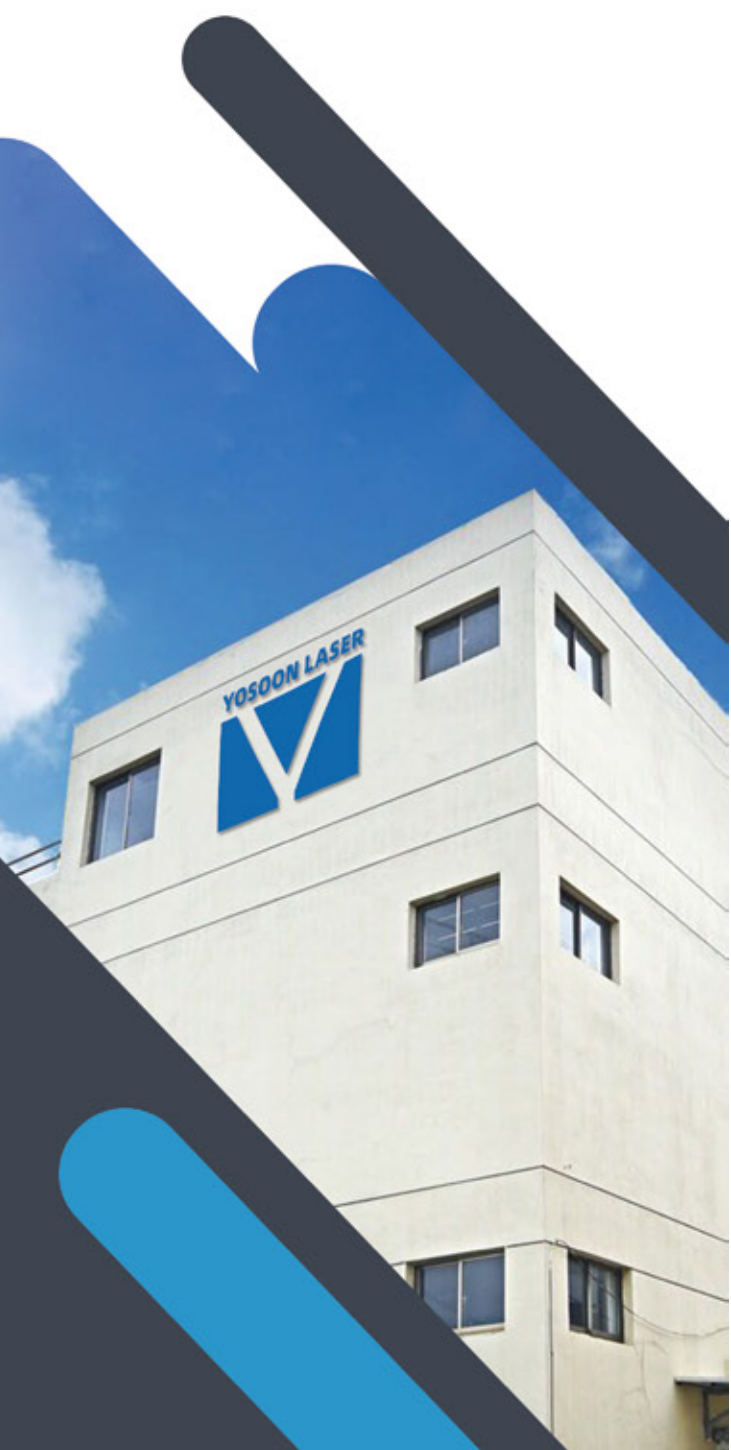




ABOUT US
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2020
LASER EQUIPMENT
MANUFACTURER





HIGH-END BROCHURES FOR ENTERPRISES

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Suzhou Yosoon Laser Equipment Co., Ltd., a high-tech enterprise with laser technology as its core. The company focuses on the R & D, manufacturing and sales of complete sets of laser processing equipment, including large and portable laser cutting machines, laser welding machines, laser light knife molds, multi-functional laser processing equipment, and provides customers with personalized and professional laser processing system solutions. the company set up a laser production base in Suqian, Jiangsu, and Jinan, Shandong on September 28, 2019. Suzhou Yosoon has been adhering to the development philosophy of "customer first, quality first", and the business philosophy of "integrity, efficiency, collaboration and innovation", dedicated to the high performance of the equipment and the high quality of service to create value for customers to the greatest extent. Apply to traditional industries and increase their productivity, greatly improving economic and social benefits.

Fiber laser marking machine

1. Definition

The fiber laser marking machine is a new generation of laser marking system developed by our company using the advanced laser technology in the world. The laser is output by optical fiber, and the marking function is realized by the high-speed scanning galvanometer system. The optical fiber laser marking machine has high electro-optical conversion efficiency and adopts air-cooled cooling method. The whole machine is small and exquisite, with good output beam quality and high reliability. It can engrave metal materials and some non-metal materials, and is mainly used in fields that have high requirements in depth, smoothness, and fineness, such as clocks, jewelry, mold industries, and bitmap marking.



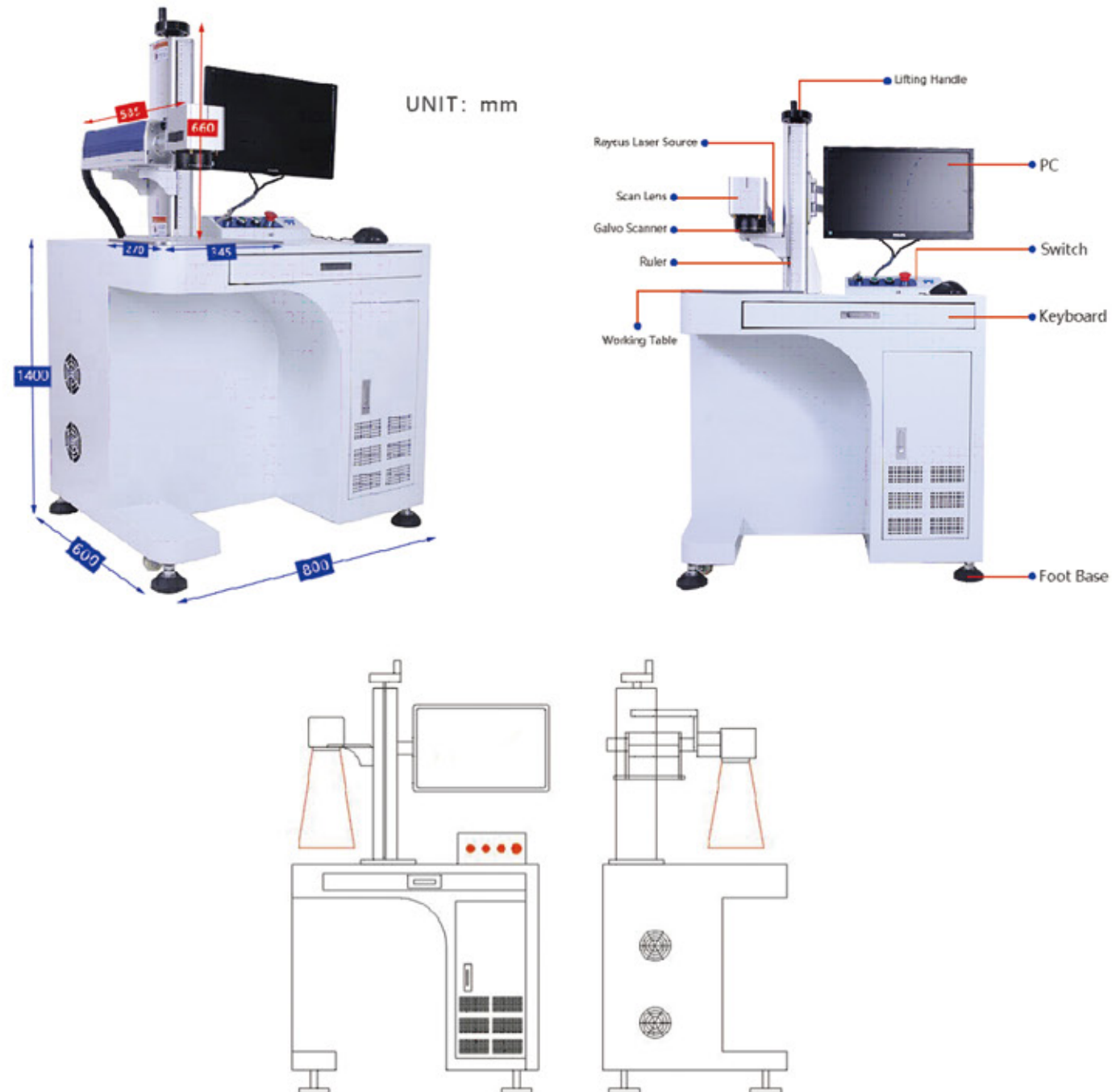
2. Types & Application

- 1) Standard fiber laser marking machine
Fiber laser marking machine is widely used, such as electronic separation components, integrated circuits (IC), electrical circuits, mobile phone communications, hardware products, knives and kitchenware, tool accessories, precision equipment, auto parts, electronic communication, hardware jewelry, chips Manufacturing, light industrial products, medical and food packaging, PVC pipes, medical equipment and other industries. It can engrave metal materials and some non-metal materials, which is especially suitable for some fields that require finer, higher precision and higher smoothness;
- 2) Portable integrated fiber laser marking machine (Refer to the above)
- 3) Portable split fiber laser marking machine (Refer to the above)
- 4) Desktop fiber laser marking machine (Refer to the above)
- 5) Luggage type fiber laser marking machine (Refer to the above)
- 6) Fiber Flying marking machine
Mainly used in production date, anti-counterfeiting, medicine and food packaging industries.

3. Customized Accepted

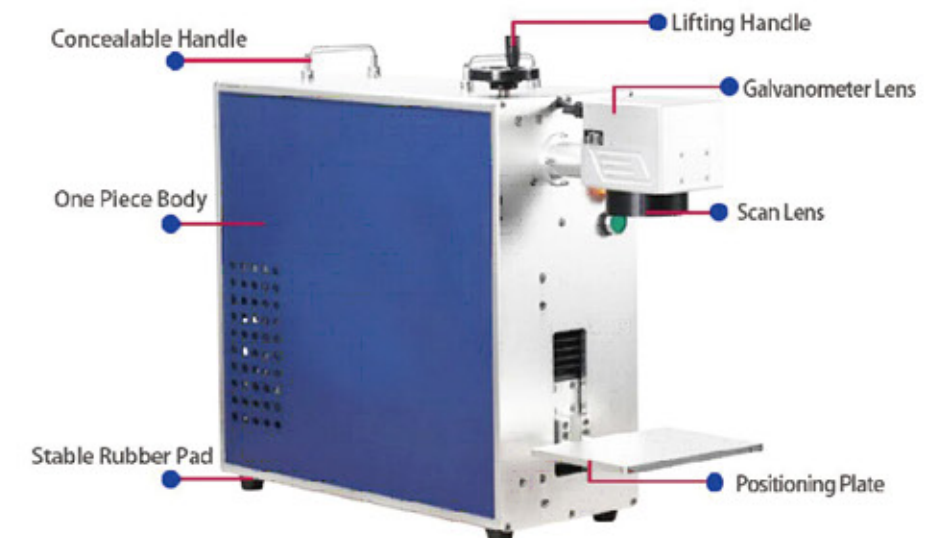
1) Standard fiber laser marking machine

Equipment model: YS-F20/30/50/100-S



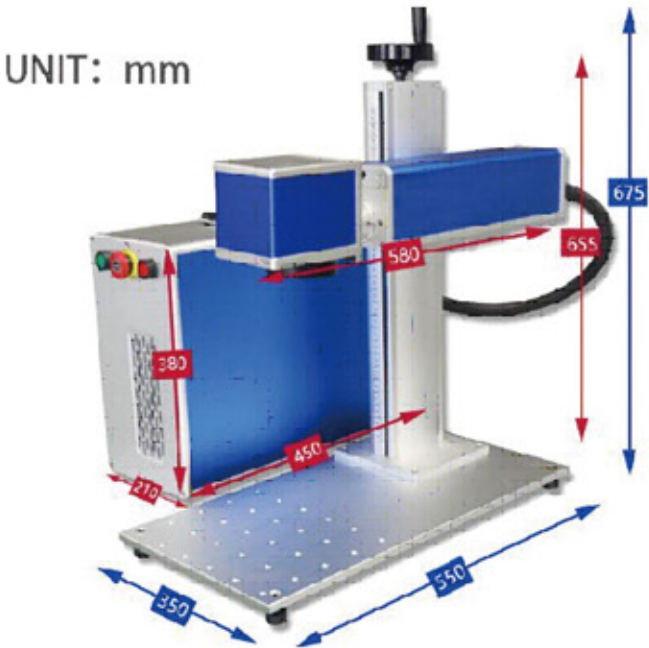
2) Portable integrated fiber laser marking machine

Equipment model: YS-F20/30/50/100-PI



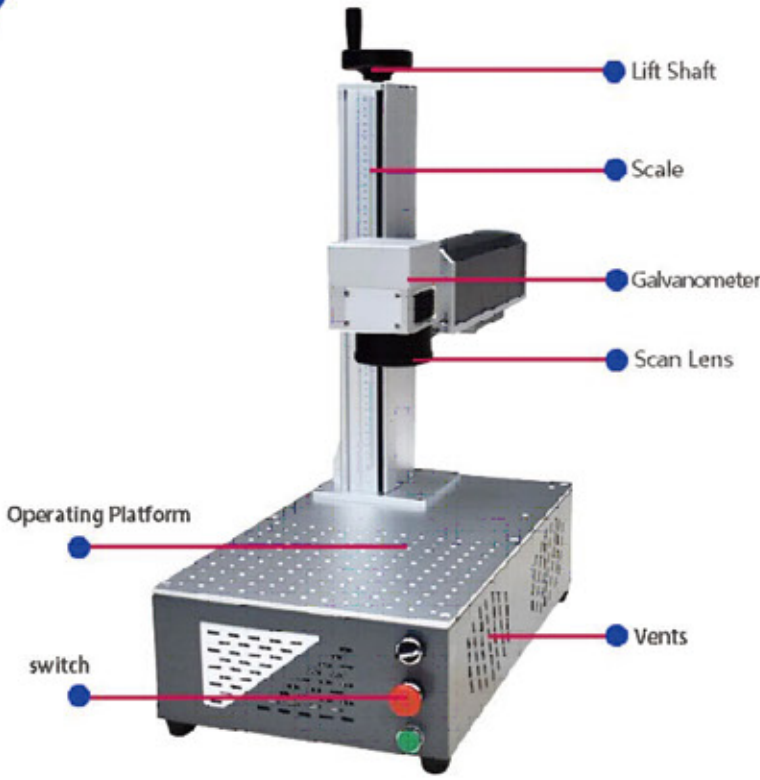
3) Portable split fiber laser marking machine

Equipment model: YS-F20/30/50/100-DF



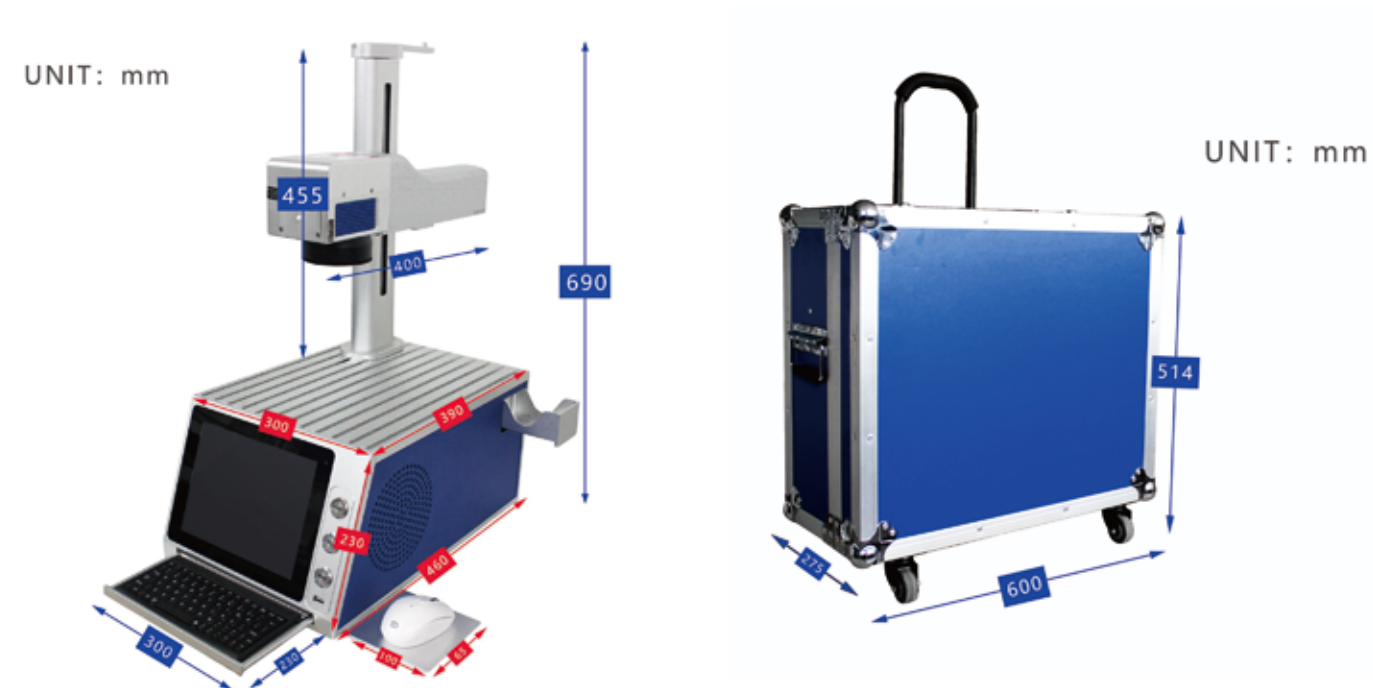
4) Desktop fiber laser marking machine

Equipment model: YS-F20/30/50/100-PS



5) Luggage type fiber laser marking machine

Equipment model: YS-F20/30/50/100-L



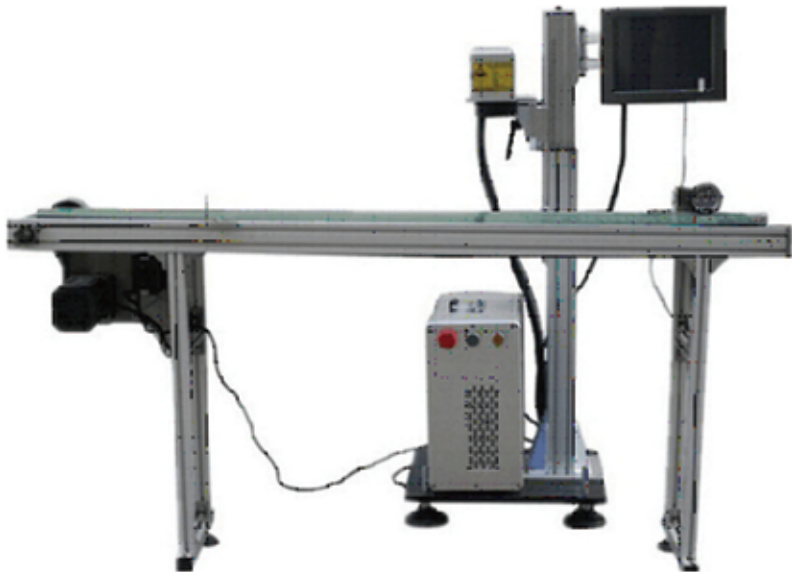
a. Device parameters

	Part Name	Vendor
1	Laser Source	IPG/Raycus/Max/JPT/LianPin
2	Galvanometer Lens	Ouya/Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

b. Technical Parameter

Laser Source Power	20W/30W/50W/100W
Laser Wavelength	1064mm
Beam Quality	$m^2 < 1.2m/m^2 < 1.2m/m^2 < 1.5m$
Repeat frequency	20-100KHz
Maximum line speed	8000mm/s
Mark range	50mm-400mm customized
Minimum line width	0.012mm
Minimum character	0.1mm
Power consumption	600W/800W
Electricity Demand	220V/50Hz/3A

Equipment model: YS-F20/30/50/100-F



Ps: Mainly used in production date, anti-counterfeiting, medicine and food packaging industries.

CO2 Laser Cutting Machine

Accepted Customized colors and Styles

The laser machine is the key part of the laser marking machine to generate the laser source and control the laser. Its quality is directly related to the working life and efficiency of the laser marking machine. The control system is a highly integrated industrial computer, which is mainly used for the input and editing of marking information and the rapid and precise control of the laser and galvanometer. The power control box is a component that provides matching DC power for the scanning galvanometer and laser. Auxiliary equipment: two-dimensional worktable, foot switch, red light focusing system, electric lifting system, power cord. Optional equipment: rotating fixture, air purification system, etc.



a. Equipment model: YS-F20/30/50/100-C

b. Device parameters

NO.	Part Name	Vendor
1	Laser Source	Davi/Reci
2	Galvanometer Lens	Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

c. Technical Parameter

Marking focal length	100mm~190mm
Accurate positioning	0.01mm
The minimum marking line width	0.02mm
Marking range	110mm X 100mm
line speed	<50m/min
Marking speed	800~1000/s
Ambient temperature	10~50?
Working temperature	5~60?
Environmental humidity	45%~75%
Atmospheric pressure	<2000m above sea level
Voltage and current	220V 5A
Power supply frequency	50HZ
Cool	Air

UV laser Marking Machine

1. Deifinition

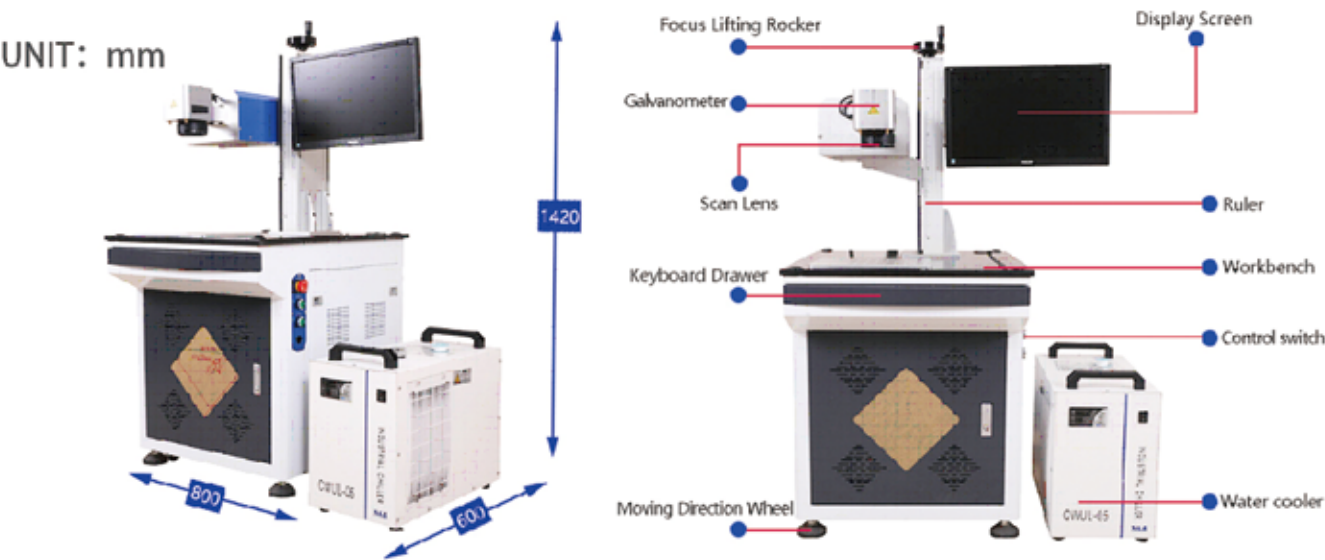
The UV laser marking machine belongs to the cold source laser of the laser marking machine.

2. Types & Application

Mainly used for ultra-fine marking, suitable for food, medical packaging materials, glass, plastic silicone and other coding, lettering. Accepted customized colors and styles.

3. Customized Accepted

1) Standard UV Laser Marking Machine



a. Equipment model: YS-F3/5/10-U

b. Device parameters

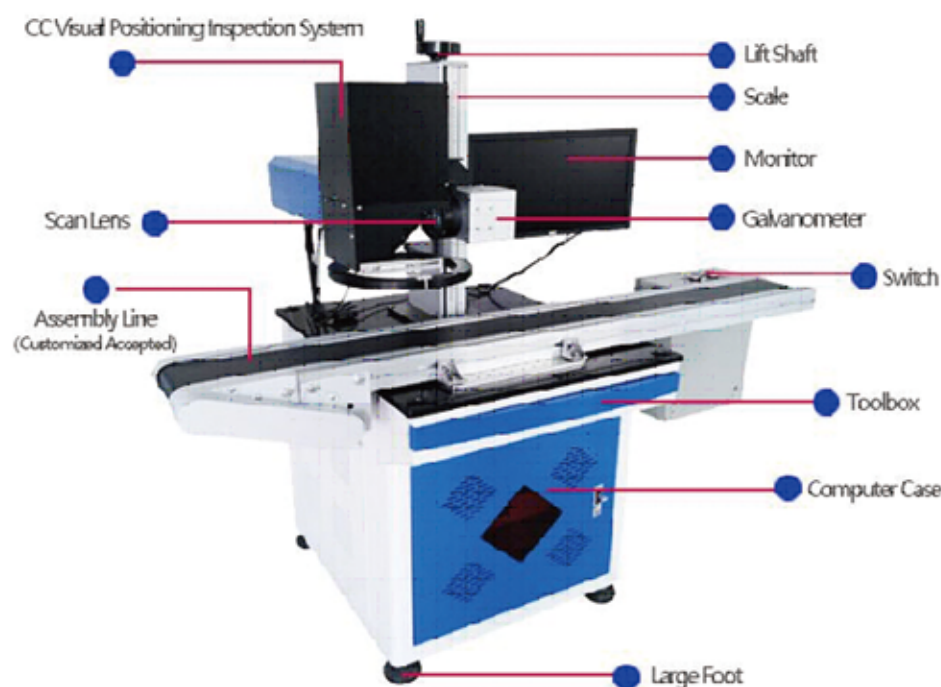
NO.	Part Name	Vendor
1	Laser Source	RFHLASER/Han's
2	Galvanometer Lens	Ouya/Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

c. Technical Parameter

Marking Range	70*70-300*300mm
Marking Depth	≤0.2mm(Depending on material hardness)
cooling method	Air/Water
Equipment size	800*1000*1420mm
Customizable output power	3/5/8/10/12
Laser wavelength	355nm
Total power	1300W(Include Chiller 800W)
Power supply	220V±10% , 50Hz
equipment weight	About 150KG

2) Vision Fully Automated UV Laser Marking Machine

Equipment model: YS-F20/30/50/100-V



Ps: Used in high-end market, pharmaceuticals, cosmetics, flexible PCB boards Scribing, blind hole processing, LCD glass two-dimensional code marking, surface drilling of glassware, ABS surface coating marking, plastic buttons, electronic components, gifts, communication building materials, construction materials.

a. Device parameters

NO.	Part Name	Vendor
1	Laser Source	IPG/Raycus/MAX/Lianpin/JPT
2	Galvanometer Lens	Ouya/Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

b. Technical parameters

Laser power	3W
Laser Wavelength	355nm
Marking scope	50*50-150*150mm
Beam quality	M2≤1.1
Marking Speed	≤10000mm/s
Marking Line Width	0.01mm
Positioning Accuracy	±0.002mm
Cooling Way	Air cooling
Working Temperature	15℃-25℃
System Running Enviroment	Window Xp/Windows 2000
Average power Consumption	≤1.2KW ≤1.5KW
Power Supply Voltage	AC220V 20A 50HZ
Overall Dimensions	1500*900*1500mm
Whole MachineWeight	140kg

Mopa Laser Marking Machine

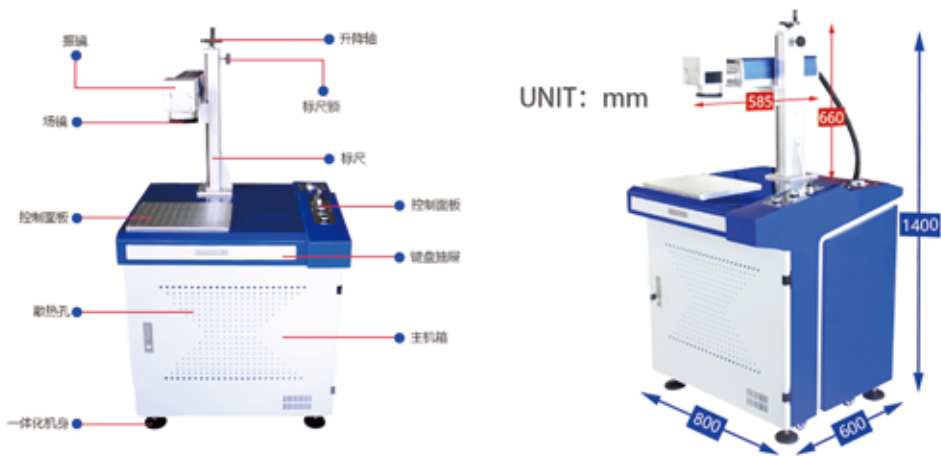
1. Deifinition

The pulse width of the mopa laser marking machine M1 is 4-200ns, and the pulse width of M6 is 2-200ns. The pulse width of the ordinary laser machine is 118-126ns. It can be seen that the pulse width of the mopa laser machine can be adjusted in a wider range, so it is understood why some products can not produce the effect of ordinary optical fiber but the mopa laser machine can do To.

2. Types & Application

Mopa's laser machine is suitable for the fine marking process of metal and non-metal materials. Such as digital product parts laser engraved black, mobile phone keys, light-transmitting keys, mobile phone shells, key panels, electronic components, oxidation, plastic markings, crafts and gifts, oxidation treatment and coating plating spraying and other surface treatments. Applicable materials include metals (including rare metals), ABS, PVC, PES, nylon, electroplating materials, coating materials, spraying materials, plastic rubber, epoxy resin and other materials.

3. Accepted Customized Style



a. Equipment model: YS-F10/20/30-M

b. Device parameters

NO.	Part Name	Vendor
1	Laser Source	Raycus/Max
2	Galvanometer Lens	Ouya/Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

c. Technical Parameter

Laser power	10W/ 20W/ 30W
Maximum speed	7000mm/s
Support graphics format	PLT BMP JPG PNG DXF
Beam quality	M2 <2
Power stability	<±1%rms
Pulse repetition frequency	20KHZ---60KHZ
Whole machine power	<800W
Minimum line width	50μm
The smallest character	0.3mm
Laser wavelength	1064nm
Galvo working size	100*100mm/200*200mm
Cooling method	Air Cooler
Working voltage	110/220V±10%/50/60HZ
Operating environment temperature	0? -45?

Green Laser Marking Machine

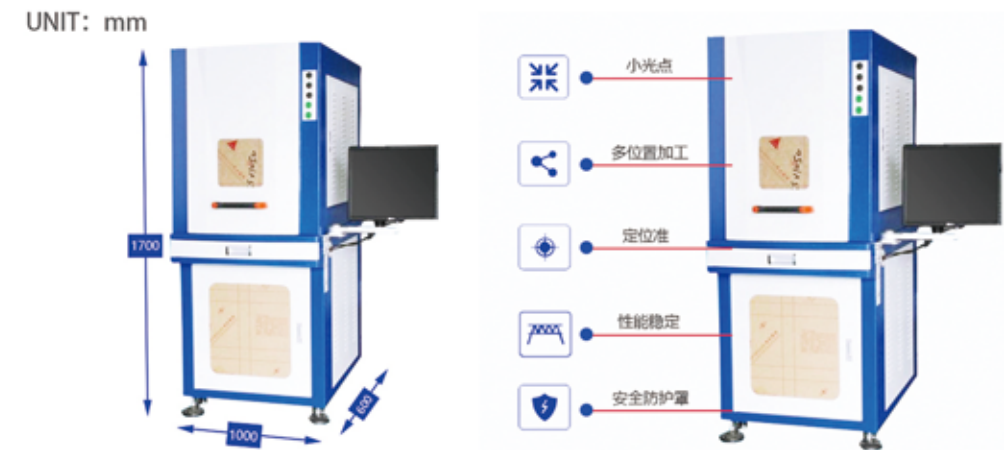
1.Deifinition

The green laser marking machine is an advanced laser marking machine independently developed by our company using international advanced technology; the green laser is a green laser beam that is pumped by a high-power multi-mode laser diode to generate a laser and then frequency doubled. , And then through the computer control high-speed scanning galvanometer deflection or high-precisionelectric moving table to change the laser beam optical path to achieve automatic cutting.

2.Types & Application

Deep engraving of membrane cores and thimbles of plastic molds in household appliances, electrical appliances, connectors and other industries, metal product marking in jewelry, hardware, electronics industries, metal product engraving in tool and tool industries.

3.Customized Accepted



a. Equipment model: YS-F10/20/30-M

b. Device parameters

NO.	Part Name	Vendor
1	Laser Source	Raycus/Max
2	Galvanometer Lens	Ouya/Sino
3	Scan Lens	ALS Group
4	Marking Card	Beijing JCZ
5	power supply	HF/HY
6	Industrial PC	Yosoon

c. Technical Parameter

Laser Source Power	3W/5W
Repetition frequency	20-100KHZ
Marking range	100*100mm (70-250mm)
Engraving line speed	<12000mm/s
Line width can reach	0.01mm
Characters up to	0.15mm
Repeat accuracy	0.002mm
Power supply	220V± 5%VAC/50Hz/5A
Rated power	600W
Dimensions	1000*600*1700mm