

	Material	UV Laser	Fiber Laser	Co2 Laser
Plastic	ABS	●	●	●
	PBT	●	●	●
	PI	●	●	●
	PET	●	●	●
	PVC	●	●	●
	EP	●	●	●
	PA/PC/PP/PE/PPS/PS/ Glass Epoxy Resm	●	●	●
Metal	Stainless Steel/Iron/Aluminium	●	●	●
	Nickel/Copper/Gold	●	●	●
Other	Ceramic	●	●	●
	Silicon	●	●	●
	Paper & Cardboard	●	●	●
	Rubber	●	●	●
	Glass	●	●	●
	Wood	●	●	●
Material & Marking Requirement		UV Laser	Fiber Laser	Co2 Laser
Marks on Metals		●	●	●
Marks on Transparent Products		●	●	●
Colored Marks on Plastics/Super-Tiny Marks		●	●	●
Laser Die Cutting Processing		●	●	●
Limited Space for installation		●	●	●
Marks in movement/Precise Marks/ Low limitation on Operating Environment		●	●	●
Low Operating Costs/High Flexibility for Marks/ Control by Computer/For overseas Market/ Permanent Marks/Laser Cutting Drilling and Clearing Processing/Low Maintenance/ Marks on large Area		●	●	●
<p>The above evaluations are just general examples,when choosing an ideal laser marker,the workpieces and site conditions should be considered as well.Please consult our sales representative for assistance</p> <p>● = Excellent, ● = Good, ● = Average, ● = Below Average, ● = Failing</p>				

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LASER PRINTER



Shanghai UPG International Industry & Trade Group Co., Ltd.

LQ- Fiber laser marking machine

Applicable materials

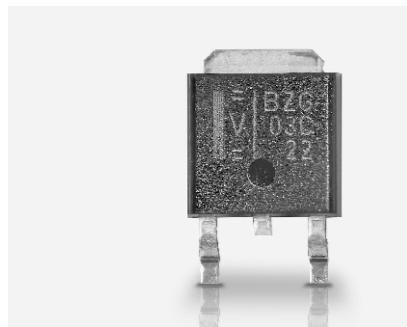
Metals: Stainless steel, carbon steel, aluminum oxide, aluminum alloy, aluminum, copper, iron, gold, silver, hard alloy and other metal materials can all be surface engraved.

Plastics: Hard plastics, PVC materials, etc. (Actual testing is required due to different compositions)

Industry: Nameplates, metal/plastic accessories, hardware, jewelry, metal spray painted plastic surfaces, glazed ceramics, purple clay pots, painted paper boxes, melamine boards, mirror paint layers, graphene, chip lettering removal can, milk powder bucket, etc.

Technical Parameters:

Laser power: 20W-50W
Marking speed: 7000-12000mm/s
Marking range: 70*70, 150*150, 200*200, 300*300mm
Repetitive accuracy: + 0.001mm
Focused light spot diameter: <0.01mm
Laser wavelength: 1064nm
Beam quality: M2<1.5
Laser output power: 10%~100% continuously adjustable
Cooling method: air cooling



Metal material



Stainless steel



Plastic



Nameplate



Jewelry



Ceramic



Sand-fired pot



Paper box



Frosted coat of paint



LQ--CO2 laser marking machine

Application Industry : Food, beverages, alcoholic beverages, pharmaceuticals, pipe cables,daily chemicals, packaging, electronics, etc.

Marking Materials : PET, acrylic, glass, leather, plastic, fabric, paper boxes, rubber, etc, such as mineral water bottles, cooking oil bottles, red wine bottles, food packaging bags, etc.



Food Package



Mineral water bottle



Wine bottle



Healing drugs



Acrylic plate



Electronic component



Glass



Leather



Cosmetics



Plastic



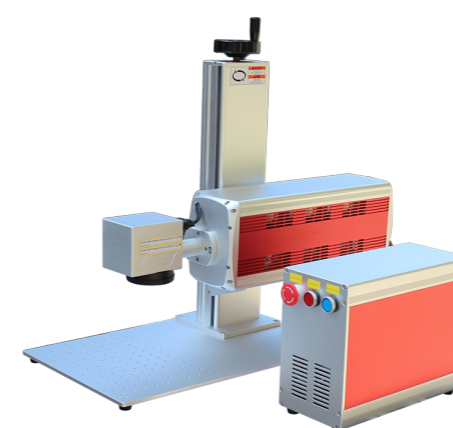
Fabric



Paper box

Technical Parameters:

Equipment Model	LQ--CO2 laser marking machine	
Laser Machine Features	Main Machine Material	Full aluminum structure
	Laser Output Power	30W/40W/60W/100W
	Laser Wavelength	10.6um
	Marking Speed	≤10000mm/s
	Marking System	Laser coding screen
	Operating Platform	10-inch Touch screen
	Interface	SD card interface/usb 2.0 interface
	Lens Rotation	Scanning head can rotate 360 degrees at any angle
	Power Requirements	Ac220v,50-60hz
	Total Power Consumption	700w
	Protection Level	Ip54
	Total Weight	70kg
	Total Size	650mm*520mm*1480mm
Pollution Level	The marking itself does not produce any chemicals	
Storage	-10°C-45°C(Non-freezing)	



UV laser marking machine

Applicable materials

Glass: The surface and interior carving of glass and crystal products.
 Widely used for surface engraving of metals, plastics, wood, leather, acrylic, nanomaterials, fabrics, ceramics, purple sand and coated films. (Actual testing is required due to different ingredients)

Industry: Mobile phone screens, LCD screens, optical components, hardware, glasses and watches, gifts, PC, precision electronics, instruments, PCB boards and control panels, inscription display boards, etc.
 Adapt to surface treatment such as marking, engraving, etc, for high flame retardant materials



Plastic



Wood products



Leather



Fabric



Ceramic



Spectacle frame



Electronic component



Glass



Mobile phone lettering

Technical Parameters:

Laser power: UV-3W UV-5W UV-10W UV-15W
Marking speed: < 12000mm/s
Marking range: 70*70, 150*150, 200*200, 300*300mm
Repetitive accuracy: + 0.001mm
Focused light spot diameter: < 0.01mm
Laser wavelength: 355nm
Beam quality: M2 < 1.1
Laser output power: 10%~100% continuously adjustable
Cooling method: water cooling/air cooling

