

LASER PRINTER INTRODUCTION



Laser marking advantage

★ Precision

Laser marking offers high accuracy and fine detail, making it ideal for intricate designs and small components.

★ Permanence

Laser marking is durable and resistant to environmental factors like heat, chemicals, and abrasion

★ Cost of Ownership:

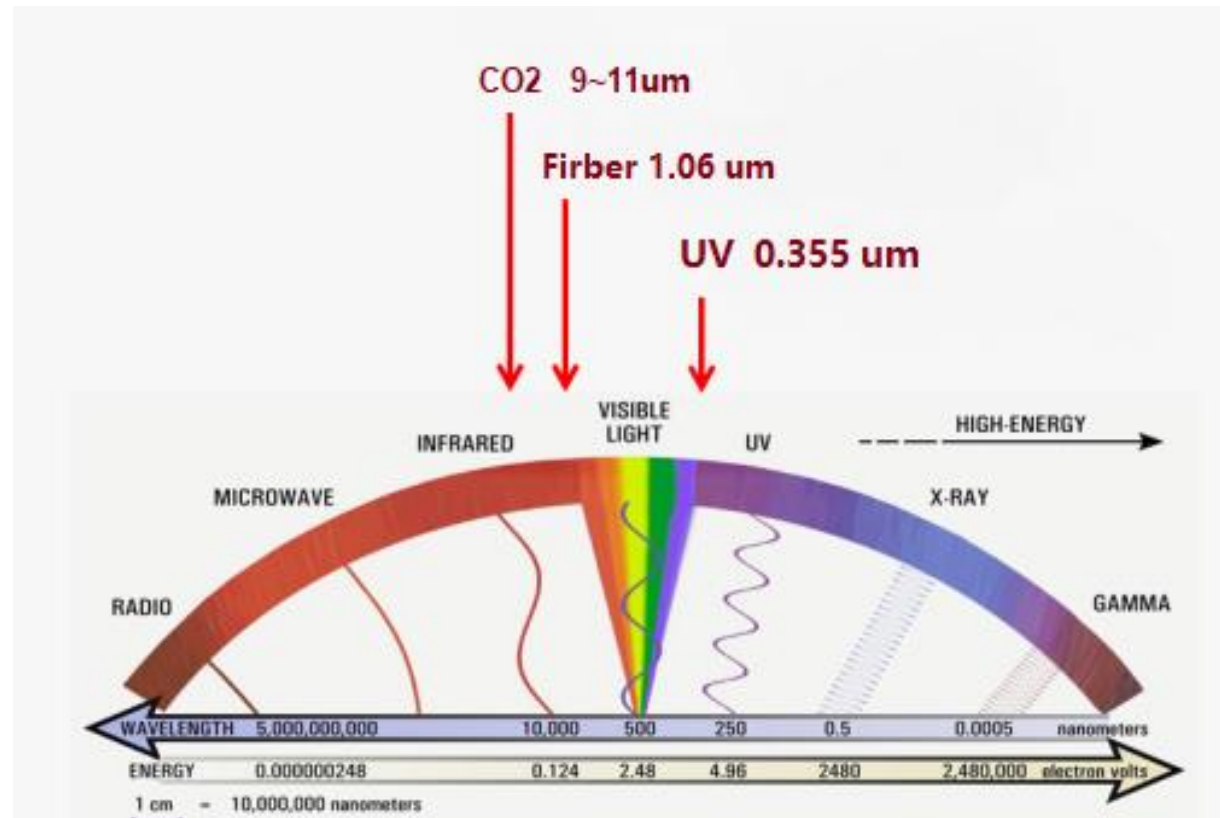
Laser marking may have higher initial costs, but it can offer lower long-term costs due to its durability and minimal maintenance requirements.

Laser printer types

▲ CO2 Laser printer

▲ Fiber Laser printer

▲ UV Laser printer



CO2 Laser printer

Wavelength: 10.6 μ m/10.2 μ m/9.3 μ m

Application for :

Stone

Glass and ceramics

Paper and cardboard

Composite materials

Coating material Rubber

Leather and fabrics Wood

Metal oxide layer or coating

Plastics

(Acrylic , ABS plastic, epoxy resin, nylon,PC, PE, PP, etc.)



CO2 Laser printer Specification

	SC40	SC41	SC42
Power	40W		
Wavelength	10.6um	9.3um	10.2um
Marking range	≤ 500 x 500 mm (standard 90 x 90 mm)		
Marking /scribing	Lattice, vector		
Line width	Minimum 0.03mm		
Accuracy	0.01 mm		
Positioning	Red light positioning		
Focusing	Dual red light focus		
Maximum Lines	Under the marking range		
Marking Speed	0-280m/min (Depend on the material and marking content)		

CO2 Laser printer Specification

	SC40	SC41	SC42
Controller	10" touch screen		
Operating system	Linux or Windows		
Support content	Points, lines, arc text, rectangles, circles, Serial number, time, date, counter, shift Code39, Code93, Code128, EAN-13, QR Code, Data Matrix, etc. BMP/DXF/JPEG/PLT		
Cooling	Air		
Interface	SD card, USB, Port		
Power	AC220V,50-60Hz		
Printer power	1200W		
Working Enviroment	Temperature -10℃ - 45℃ Humidity 10%-85%		
Weight	58kg		
Dimension	656mm x 568mm x 1365mm		

Printing sample



Woods



PET



Carton
packaging

9.3 μ m-----Mainly for PET

10.2 μ m-----Mainly for laminating product

10.6 μ m-----Commonly used applications

Fiber Laser printer

Wavelength: 1064nm

Application for :

- Common metals

- Precious metals

- Alloy material

- Coated or coated metal

- Ceramics and glass

- Metal matrix composites

- Electroplating materials

- Plastics: ABS plastic, epoxy resin, nylon, PC, etc.



Fiber Laser printer Specification

	SF20	SF30	SF40
Power	20W	30W	40W
Wavelength	1064 nm		
Marking range	≤ 400 x 400 mm (standard 110 x 110 mm)		
Marking /scribing	Lattice, vector		
Line width	Minimum 0.01mm		
Accuracy	0.01 mm		
Positioning	Red light positioning		
Focusing	Dual red light focus		
Maximum Lines	Under the marking range		
Marking Speed	0-180m/min (Depend on the material and marking content)		

Fiber Laser printer Specification

	SF20	SF30	SF40
Controller	10" touch screen		
Operating system	Linux or Windows		
Support content	Points, lines, arc text, rectangles, circles, Serial number, time, date, counter, shift Code39, Code93, Code128, EAN-13, QR Code, Data Matrix, etc. BMP/DXF/JPEG/PLT		
Cooling	Air		
Interface	SD card, USB, Port		
Power	AC220V,50-60Hz		
Printer power	700W		
Working Enviroment	Temperature -10℃ - 45℃ Humidity 10%-85%		
Weight	58kg		
Dimension	656mm x 568mm x 1365mm		

Printing sample



Metal



Plastic



Film

UV Laser printer

Wavelength: 355nm

Application for :

Coating materials

Ceramics and glass

Leather and textiles

Rubber and elastomers

Films and flexible materials: PI , PET, PE, release film, etc.

Plastics: ABS, PC, PVC, PET, PMMA, PE, PP, Nylon, POM, etc.



UV Laser printer Specification

	SU3	SU5	SU10
Power	3W	5W	10W
Wavelength	355 nm		
Marking range	standard 110 x 110 mm		
Marking /scribing	Lattice, vector		
Line width	Minimum 0.03mm		
Accuracy	0.01 mm		
Positioning	Red light positioning		
Focusing	Dual red light focus		
Maximum Lines	Under the marking range		
Marking Speed	0-280m/min (Depend on the material and marking content)		

UV Laser printer Specification

	SU3	SU5	SU10
Controller	10" touch screen		
Operating system	Linux		
Support content	Points, lines, arc text, rectangles, circles, Serial number, time, date, counter, shift Code39, Code93, Code128, EAN-13, QR Code, Data Matrix, etc. BMP/DXF/JPEG/PLT		
Cooling	Water-cooling		
Interface	SD card, USB, Port		
Power	AC220V,50-60Hz		
Printer power	1200W		
Working Enviroment	Temperature -10℃ - 45℃ Humidity 10%-85%		
Weight	70kg		
Dimension	656mm x 568mm x 1365mm		

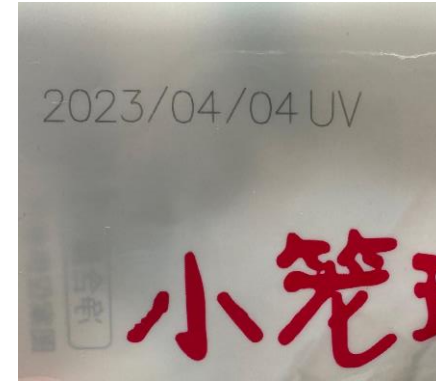
Printing sample



Metal



Plastic



Film

Core advantages: Cold processing and high precision