



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

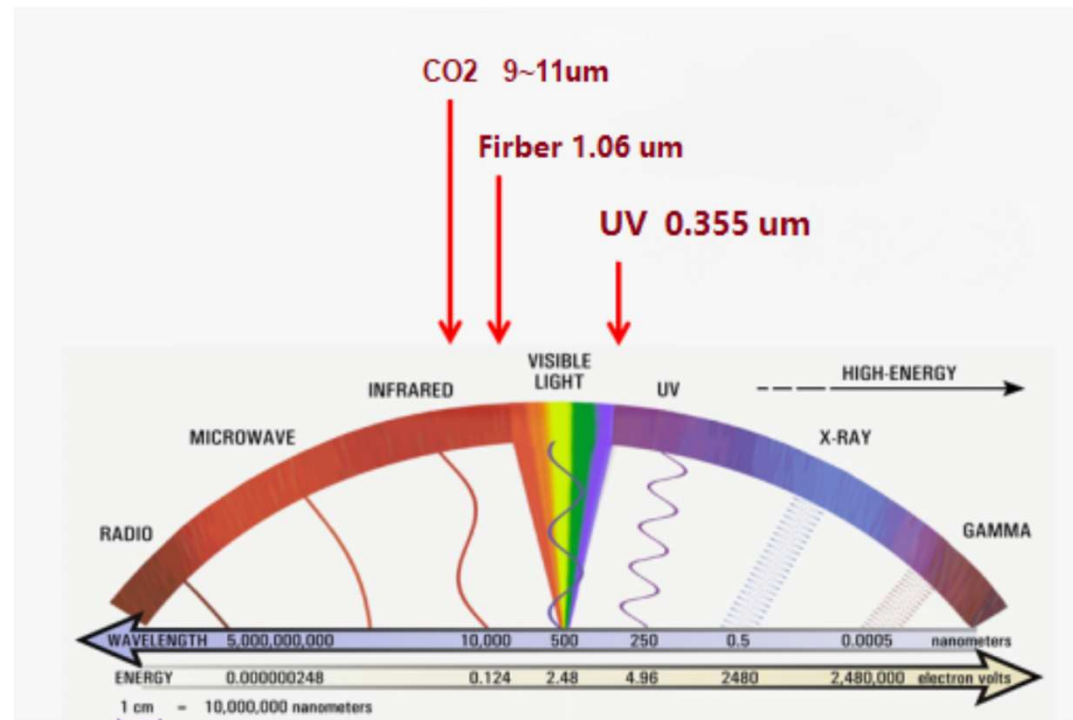
Laser marking is durable and resistant to environmental factors like heat, chemicals, and abrasion

★ 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.)



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.



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.



Printing sample



Metal



Plastic



Film

Core advantages: Cold processing and high precision