

# THE DIFFERENCE BETWEEN FIBER LASER MARKING MACHINE AND PURPLE UV MARKING MACHINE

*Posted on 2023-04-13 by redsail*



**Category:** [Laser Marker News](#)

**Tags:** [laser marking machine](#), [UV laser marking machine](#)



01

## Product Introduction

Fiber laser marking machines are mainly designed for metal and some non-metallic materials, and are applied in fields with high requirements for depth, smoothness, and precision.

02

## Product advantages

The markings on laser marking are permanent and will not fade away due to environmental influences. The graphics and text of the marking are exquisite and beautiful, and the laser marking speed is fast, consumables free, pollution-free, and noise free.

03

## Applicable industries

Automotive machinery industry: steel sleeve, bearing, piston ring, engine, vehicle nameplate and machine tool, etc;

Electronic communication industry: mobile phones, keyboards, electronic components, home appliance panels, optical cables, cables, etc;

Hardware equipment industry: tools, measuring tools, cutting tools, tableware, locks, knives and scissors, bathroom fixtures, medical equipment, fitness equipment, stainless steel products, etc;

Decorative buckle and sign industry: buttons, luggage buckles, belt buckles, gold and silver jewelry, signs, badges, attendance cards, business cards, photos, leather bags, belts, pens and pencil boxes, collectors, artworks, etc;

Instrument glasses industry: metal case, bottom, eyeglass frame, instrument panel, etc;

Packaging bottle cap industry: inner and outer packaging of tobacco, drugs, food, cosmetics, metal bottle caps, furniture decoration, decorative buckles and signs, plastic products.

What is the difference between fiber laser marking machines and ultraviolet laser marking machines?

#### NOTICE

1. The industry and materials targeted are different. Fiber laser marking machines mainly target metal materials and some non-metals. The wavelength of fiber laser marking machines is 1064, which can mark depths on hard materials.

2. The UV laser marking machine is mainly designed for plastic materials, such as flexible PCB boards, LCD, TFT marking. It is suitable for surface marking of glass, polymer materials, and other objects. Silicon wafer micropores and blind holes are processed, and the UV wavelength is only 355. The depth of marking on hard materials cannot be penetrated.

If you need to watch videos of the processed products of purple light marking machines and fiber optic marking machines, you can contact our customer service to request actual processing videos for reference.