

# HOW TO CHOOSE THE RIGHT LASER MARKING MACHINE?

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Laser marking is widely used in various industries because of its permanence, corrosion resistance, wear resistance, safety and environmental protection. So, for a person who has never touched a laser machine, how to choose a suitable laser marking machine?

## **At present, mainstream laser marking machines are mainly divided into three categories:**

1. Fiber laser marking machine (mainly used for metal and plastic)
2. Carbon dioxide laser marking machine (mainly used for wood, cloth, rubber, acrylic and other non-metallic materials)
3. UV laser marking machine (can be used for most metal and non-metal materials). Therefore, to choose which marking machine, you must first confirm whether it is a metal or a non-metal material.

## **How to choose the right laser marking machine?**

Secondly, when choosing the appropriate type of laser marking machine, it is necessary to confirm the size of the material that needs to be marked. The marking machine has different marking ranges, and you can choose the appropriate marking range according to your needs. The marking range of traditional models is 100~600mm, and larger sizes can also be customized.

Therefore, some people may ask, metal chooses optical fiber marking machine, non-metal chooses carbon dioxide marking machine, so what is the main application scenario of ultraviolet marking machine? Ultraviolet marking machine laser wavelength, fine spot, low function temperature. It is generally used for high-precision, heat-sensitive products such as charger marks and PCB circuit board marks. It is also suitable for marking the metal surface of medical equipment. Ultraviolet marking cannot damage the surface coating, and the marking is finer. Therefore, if some markings have high precision and are less destructive, you can choose an ultraviolet marking machine.

The materials in life and various fields are very rich, and there are countless kinds of composite

materials. Most of the time, when encountering some rare materials, conventional judgment cannot be selected, and the marking effect also needs to be tested. Therefore, as a professional laser manufacturer, we usually require customers to send When the sample arrives at the factory, we choose different laser marking machines for testing, so that customers can choose a more suitable laser marking machine.