

THE DIFFERENCE BETWEEN CO2 RF LASER MARKING MACHINE AND FIBER OPTIC MARKING MACHINE

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Laser is different

The fiber laser marking machine uses a fiber laser.

The carbon dioxide laser marking machine uses a CO₂ laser.

Different laser wavelengths

The laser wavelength of the fiber optic marking machine is 1064nm.

The laser wavelength of the carbon dioxide laser marking machine is 10.64 μm

Different application fields

CO₂ laser marking machine is suitable for carving most non-metallic materials and some metal products. Generally, carved metal surfaces with paint or coating can be carved, while electroplated or pure metal generally cannot be marked with marks. It is applicable to the engraving of most non-metallic materials, such as wood, bamboo, leather, leather, cloth, resin, marble, agate, ox horn, ass hide glue block marking and engraving, non-metallic packaging boxes and other products.

Fiber laser marking machine is suitable for carving most metal materials and some non-metallic materials. For example, various gold and silver jewelry, metal hardware tools, bearings, cola cans, milk powder cans are marked and carved, and the frame is marked and carved. You can also process some wooden packaging boxes with paint, paper with colors for coding and carving, etc.