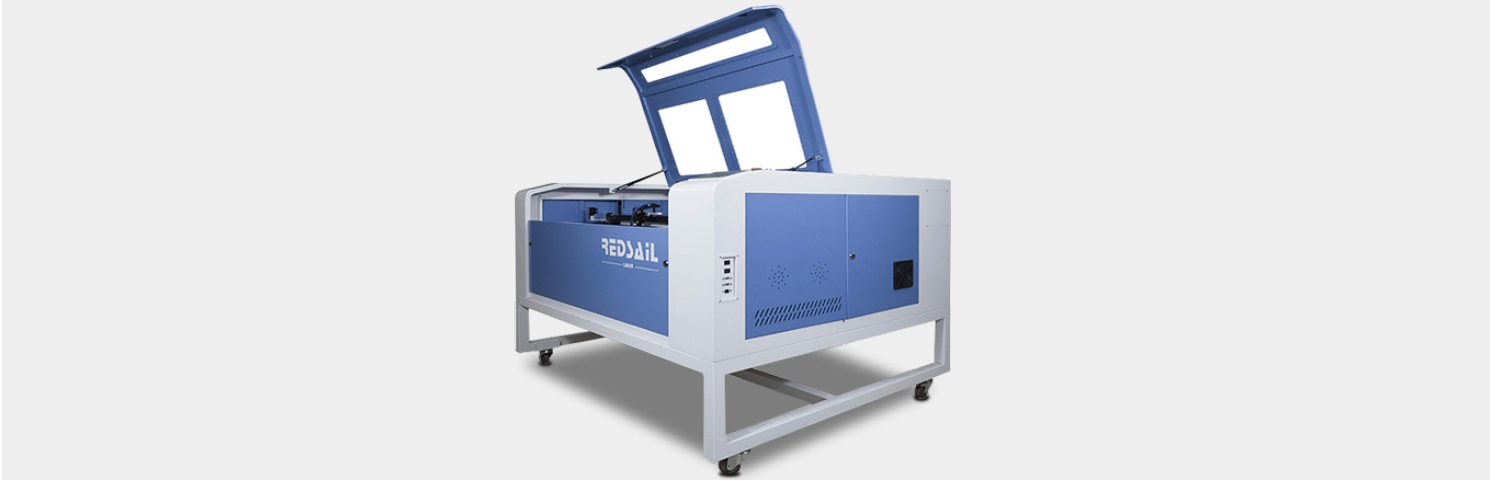


# FPC LASER CUTTING MACHINE

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The principle of the [laser cutting machine](#) is to focus the laser into a high power density laser beam through the optical path system. The laser beam irradiates the surface of the workpiece to make the workpiece reach the melting point or boiling point, so as to achieve the purpose of cutting. According to the wavelength, it is divided into optical fiber and laser. carbon dioxide. Different types of laser cutting machines, such as UV cutting machines and non-metal laser cutting machines. In fact, this classification is not accurate. For example, the FPC laser cutting machine is a mixed board of non-metallic materials and metal materials. Usually divided into FPC laser cutting machine or PCB laser cutting machine.

FPC is also one of the applicable scopes of laser cutting materials. Specially developed laser cutting machines generally use ultraviolet lasers according to cutting materials and industry characteristics. There are also some special carbon dioxide lasers and green lasers. This is determined by the FPC material.

### FPC laser cutting

FPC materials generally use copper foil, polyimide or polyester film circuit boards. According to the characteristics of the material. A UV laser cutter is a better way to laser cut. In the FPC industry, it generally refers to the UV FPC special-shaped laser cutting machine.

FPC laser cutting machine has the characteristics of fast cutting speed, neat and smooth cutting edge, no burr, no glue overflow, high cutting precision, high output and high flexibility. This is also the main feature of laser cutting machines replacing traditional processing methods in the FPC industry.

FPC laser cutting machine model features: high performance ultraviolet laser high precision scanning vibrating mirror high precision. Long-life and high-precision linear motor working platform with high precision. Fast CCD automatic positioning and automatic correction of vacuum adsorption fixed plate, computer software automatic control software interface provides real-time feedback, and real-time understanding of the processing status of the applicable industry.