

# WHAT IS FPC LASER CUTTING MACHINE

Posted on 2023-07-06 by redsail

## REDSAIL X700D LASER ENGRAVING/CUTTING MACHINE

Excellent quality and service Redsail X700D laser engraving machine for different materials

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The principle of the [laser cutting machine](#) is that the laser emitted by the laser is focused into a high-power-density laser beam through the optical path system. When the laser is irradiated on the surface of the workpiece, the workpiece can reach the melting point or boiling point, so as to achieve the purpose of cutting. According to different laser wavelengths, it can be divided into three types of laser cutters: optical fiber, CO2, ultraviolet light, and green light; according to different cutting materials, it can be divided into metal material laser cutters and non-metallic material laser cutters. In fact, this classification is not accurate, such as FPC laser cutting machine, which belongs to the mixed board of non-metallic materials and metal materials, so it is generally divided into FPC laser cutting machine or PCB laser cutting machine.

FPC laser cutting machine is a kind of laser cutting machine. According to cutting materials and industry characteristics, specially developed laser cutting machines generally use ultraviolet lasers, especially CO2 lasers and green lasers. This is determined by the material of the FPC.

FPC materials generally use substrate copper foil, polyimide or polyester film circuit boards. According to the characteristics of the material, comprehensive cost performance and technical factors, the best laser cutting method is the ultraviolet laser cutting machine, which generally refers to the ultraviolet laser cutting machine in the fpc industry.

The laser cutting machine is characterized by fast cutting speed, neat and smooth cutting edges, no burrs, no glue overflow, high cutting precision, high yield rate, and strong flexibility. In the fpc industry, laser cutting machines have replaced the main features of traditional processing methods.

To sum up, FPC laser cutting machine is a kind of ultraviolet laser cutting machine, which is called FPC laser cutting machine according to the characteristics of the industry.