PTFE LASER CUTTING TECHNOLOGY

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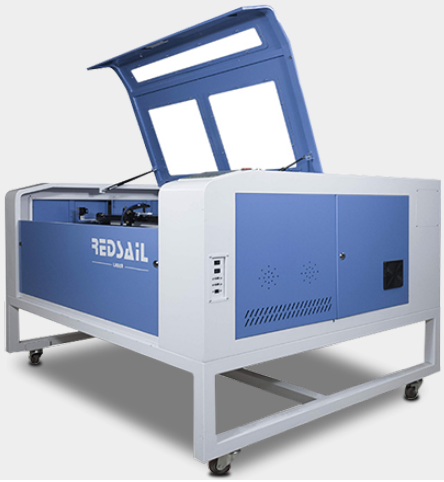

Category: Laser Cutter News

Tag: PTFE laser cutting

Polytetrafluoroethylene membrane, or EPTFE for short, is a polymer polymer that is a valuable material for various harsh environments due to its resistance to liquid penetration, biocompatibility and low dielectric constant. EPTFE products can provide good performance and reliability, ranging from medical devices implanted in the human body, to clothes worn on Mount Everest expeditions, to cables for transmitting signals in outer space, meeting customer expectations and end-user needs. Therefore, it is popular in all walks of life.

When used for filtration and separation, it is usually found as a membrane, i.e. PTFE membranes as cell phone handsets, electronic housings, power plants, disk drive filters, pharmaceutical and chemical processing, pulp and paper, metal processing and chlor-alkali. However, how is PTFE cut during the production process? Today, the editor will take you to understand the following points. Common PTFE exists in membranes or sealants, gaskets, clothing fabrics, etc. The traditional cutting methods are usually grinding wheel cutting machine, blade cutting machine and so on. Today introduced a new cutting method - PTFE laser cutting technology.

The laser cutting machine adopts a non-contact cutting method, which has no stress on the surface of the material. The cutting precision is higher than that of knife cutting and grinding wheel cutting, the cutting efficiency is high, and the edge is smooth and flat. Suitable for all kinds of special-shaped cutting. The cutting accuracy of PTFE film can reach 0.02mm, which is especially suitable for industries with high precision requirements such as electronics industry, medical industry, and aerospace.