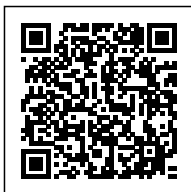


CAN A THIN FILM ON A METAL SURFACE BE CUT WITH A LASER?

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In order to ensure the cleanliness of the metal surface, many metal products are covered with a thin film on their surface, which is commonly referred to as filmed metal material. For example, our common covered metals include doors and windows, kitchen utensils and so on. So, can a thin film on a metal surface be cut with a laser? Won't it burn?

Metal film laser cutting

In fact, it is not difficult for laser cutting machines to process coated metal materials. Let me introduce how the laser cutting machine cuts the coated metal material; according to our usual cutting ideas, in order to ensure that the coating is not damaged, the side of the coating is usually cut first, and the side without the coating is facing down. Install the pneumatic device with one face down to avoid scratching the sheet by the machine support. The cutting process is as follows: when cutting, the laser head should be about 10mm, and the power adjustment should be about 300W, and then burn the film again, burn off the protective film, and finally cut off.

Why cut off one side of the film? There is a reason. If the film is facing down, the residue splashed during the cutting process of the laser cutting machine will adhere to the film, resulting in a rough surface of the film, which is difficult to handle.