

WHAT ARE THE UNIQUE FEATURES OF LASER CUTTING MACHINE CUTTING PI FILM

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PI film is a kind of film insulation material with better performance. It is made of pyromellitic dianhydride (PMDA) and diaminodiphenyl ether (DDE) in a strong polar solvent and undergoes imidization treatment. Its excellent comprehensive performance and synthetic chemical diversity make it have a wide range of application prospects.

High temperature insulating material PI film

What laser equipment can be used to cut PI film?

With the development of laser technology, the traditional die cutting is replaced by laser cutting FPC and PI cover film. The non-contact laser cutting process does not require expensive molds, which greatly reduces production costs. The focal point is only a dozen microns, which can meet the processing requirements of high-precision cutting and drilling, and conforms to the development trend of circuit precision. It is an FPC , Ideal tool for PI film cutting.

What are the advantages of laser cutting machine cutting PI film?

PI film heating sheet

As a kind of non-contact processing, laser cutting can be applied to various materials, and has become the top priority in the field of laser processing in recent years.

What are the unique features of laser cutting machine cutting PI film:

It is mainly used for cutting various thin film materials in PCB/FPC and other industries. Its advantages are:

1. Imported laser, non-contact cutting, high cutting quality, small heat-affected zone, negligible.

2. Single-axis and double-axis can be switched freely, which is convenient for cutting various materials;
3. Double-head synchronous processing doubles the cutting efficiency;
4. The automatic vision system can automatically find the positioning point, and the cutting is more accurate;
5. Automatic feeding and receiving device, saving manpower, convenient and quick.