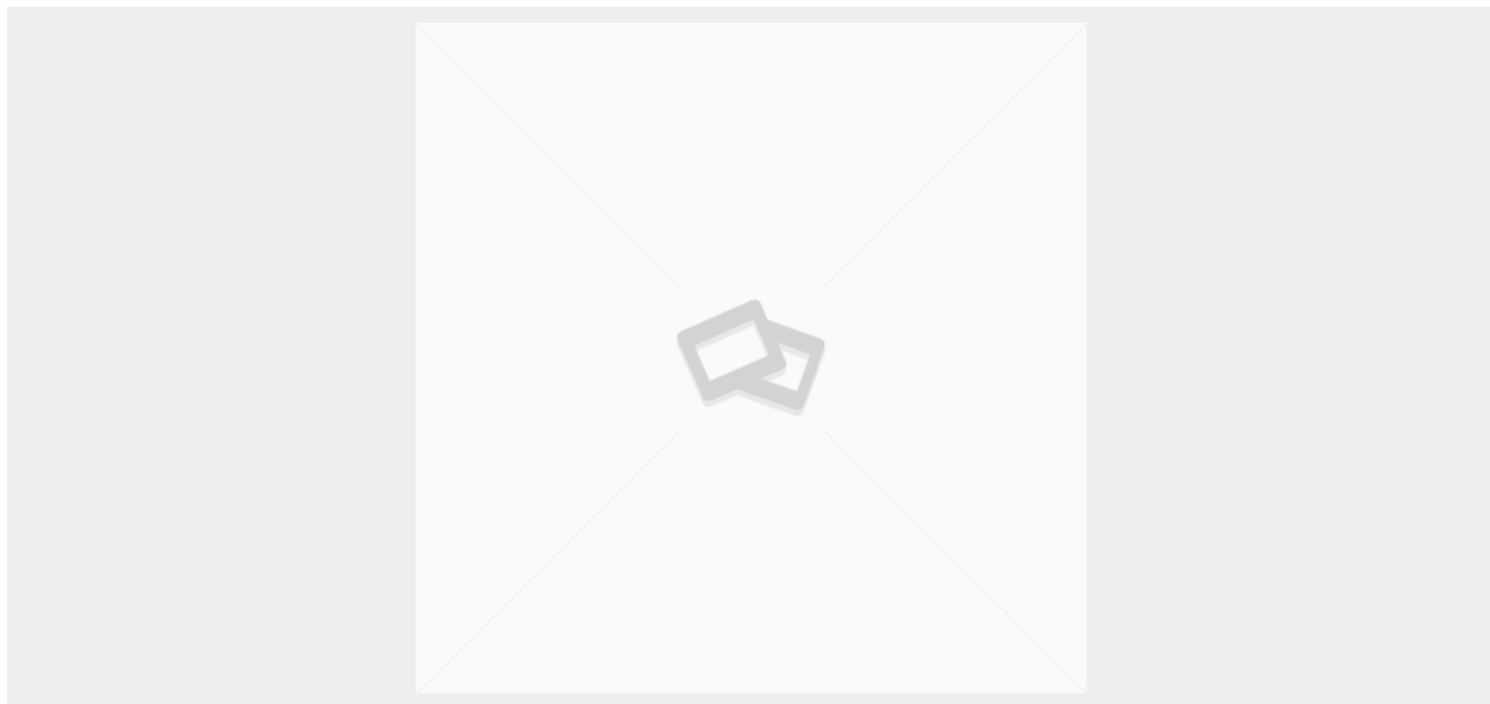# HOW TO PURCHASE A FULLY AUTOMATIC LASER PIPE CUTTING MACHINE?

Posted on 2023-05-29 by redsail

Category: [Laser Cutter News](#)

Metal laser cutting machine

1. Choose different sizes of models based on material, shape (round tube, square tube, bar or special shape), material size and thickness, and straight or oblique cutting at 45 degrees.

Different types of pipe cutting machines can process materials of different sizes; Different materials require different pipe cutting machine powers; For the same pipe cutting machine, the material size cut at 45 degrees is usually smaller than that cut at 90 degrees. Generally speaking, for smaller iron and copper pipes, manual or low-power semi-automatic pipe cutting machines can be selected when the cutting accuracy requirements are low and the cutting yield is low.

2. Determine based on the accuracy or quality requirements of the cutting material

If the requirements for cutting accuracy are high, the output is large, and the cutting material specification is large or thick, a fully automatic pipe cutting machine or a high-power semi-automatic pipe cutting machine should be considered.

Manual pipe cutting machines, semi-automatic pipe cutting machines, and fully automatic pipe cutting machines generally have the following characteristics:

1. Manual pipe cutting machine: Feeding, clamping, and cutting are all manually operated, mainly for situations with low cutting requirements, low efficiency requirements, and small cutting volume.

2. Semi automatic pipe cutting machine: Manual feeding, clamping, and cutting are all automatic operations, mainly designed for situations with high efficiency, low length accuracy, and large cutting volume.

3. Automatic pipe cutting machine: Feeding, clamping, and cutting are all automatic operations, mainly designed for occasions with high cutting accuracy requirements and large cutting volume.

When choosing a pipe cutting machine, taking into account the above factors, I believe you can choose a pipe cutting machine that is suitable for your product.