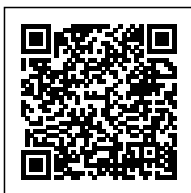


# WHAT IS THE BEST LASER ENGRAVER FOR STAINLESS STEEL?

Posted on 2024-12-05 by redsail



Category: [Laser Engraver News](#)



# WHAT IS THE BEST LASER ENGRAVER FOR STAINLESS STEEL?

## Types of Laser Engravers for Stainless Steel

When it comes to engraving stainless steel, choosing the right laser engraver is crucial. There are several types of laser engravers available in the market, each with its own set of features and capabilities. Here are some of the most common types:

- Fiber laser engravers: These are widely considered to be the best option for engraving stainless steel. Fiber lasers use a laser beam generated by a fiber optic source, which is extremely precise and provides high-quality engraving on stainless steel surfaces.
- CO2 laser engravers: While CO2 lasers are more commonly used for engraving on materials like wood or acrylic, they can also be used for stainless steel engraving. However, the results may not be as precise as those achieved with fiber lasers.
- Diode laser engravers: Diode lasers are typically used for engraving on softer materials like plastics or rubber. While they can be used for stainless steel engraving, the results may not be as clear or sharp as those achieved with fiber lasers.

## Factors to Consider When Choosing a Laser Engraver

When looking for the best laser engraver for stainless steel, there are several factors that you should keep in mind. These include:

- Power output: The power output of the laser engraver will determine its engraving capabilities. For stainless steel engraving, a high-powered laser (at least 30 watts) is recommended for best results.
- Engraving speed: The speed at which the laser engraver can engrave on stainless steel is another important factor to consider. A faster engraving speed will not only save you time but also produce more precise results.
- Engraving area: The size of the engraving area will determine the size of stainless steel objects that can be engraved. Make sure to choose a laser engraver with a large enough engraving area for your needs.

## Best Laser Engravers for Stainless Steel

### 1. FiberMark S2

The FiberMark S2 is a popular choice for stainless steel engraving due to its high power output and

precision. It features a fiber laser source that provides clean and accurate engraving on stainless steel surfaces. With a large engraving area and fast engraving speed, the FiberMark S2 is suitable for a wide range of stainless steel engraving applications.

## **2. Epilog Fusion M2**

The Epilog Fusion M2 is another reliable option for stainless steel engraving. It combines the benefits of both CO2 and fiber lasers to provide high-quality engraving on stainless steel. With a user-friendly interface and versatile engraving capabilities, the Epilog Fusion M2 is a great choice for both beginners and experienced engravers.

## **3. Gravograph LS100**

The Gravograph LS100 is a compact and affordable laser engraver that is well-suited for stainless steel engraving. It features a CO2 laser source with adjustable power settings, allowing for precise engraving on stainless steel surfaces. The Gravograph LS100 is easy to use and requires minimal maintenance, making it a great option for small businesses or hobbyists.

# **FAQs**

### **Q: Can any laser engraver engrave on stainless steel?**

A: While most laser engravers are capable of engraving on stainless steel to some extent, not all of them are suitable for high-quality and precise engraving. It is recommended to choose a laser engraver specifically designed for stainless steel engraving for the best results.

### **Q: What is the average cost of a laser engraver for stainless steel?**

A: The cost of a laser engraver for stainless steel can vary depending on factors such as power output, engraving speed, and brand. On average, a high-quality laser engraver for stainless steel can cost anywhere from \$5,000 to \$20,000 or more.

### **Q: Can laser engraving be done on different types of stainless steel?**

A: Yes, laser engraving can be done on various types of stainless steel, including 304 and 316 grades. However, the results may vary depending on the composition and surface finish of the stainless steel. It is recommended to test the engraving on a small sample before engraving larger objects.