



LASER METAL MARKING

Metal marking logos on tools and parts with a CO₂ laser is now possible. Using a simple three-step process, you can utilize a low-cost CO₂ laser system for permanently marking all types of metal parts and tools.

Traditionally, you would have needed an expensive YAG or fiber laser system to engrave into bare metal. With a CO₂ laser, you have several advantages that are perfect for many applications.



Versatility

The same laser you are using to mark metal can also be used to cut plastic, etch acrylic, engrave glass, wood, and much more by simply changing the speed and power settings of the laser.

Any Size Part

Your only limit is the size of the engraving table, which ranges from 16" x 12" (405 x 305 mm), all the way up to 48" x 36" (1219 x 914 mm).



1

AS EASY AS:

1. Apply a thin coat of a metal marking compound, such as CerMark or Enduramark, directly to the metal you want to mark. You can use either a spray can application or paste version. Let the part dry for a few minutes.

2. Place your part (or jig of parts) in the laser and print your job to the laser.

3. After the part has been marked, simply wash off the excess metal marking compound with water. The resulting laser mark will be a crisp, permanent, high-contrast mark.



2



3

Etch Bare Metal

If you are looking for a mark on bare metal without using a metal marking compound, take a look at the fiber laser systems. By adapting the flying-optic motion system that made our lasers famous, we incorporate a 1062 nm wavelength Ytterbium Pulsed Fiber Laser to engrave directly into metal and mark engineered plastics.

Contact Epilog today for more info and to set up a demo!