

Marking or Engraving Your Parts

Do you currently mark your parts or are you considering implementing a marking process? Are you using or considering dot peen, ink jet, or chemical etching?



Plastic housings



Implantable devices



Automotive direct part mark

THERE IS A BETTER WAY! CONSIDER FIBER LASER MARKING...

Laser marking is the process of employing a laser to make a mark (text, graphic, bar code, etc.) on an object; the mark “appears” when the material on which it is being made is changed by the interaction with laser light. With the exception of the mark, the surface of the part being marked remains unchanged. Lasers can make very precise, clean marks on both metals and plastics, at high speeds, making them suitable for most manufacturing processes.

Lasers may also be used for engraving, a similar process, which does alter the surface of the part being marked, leaving a mark that can be both seen and felt.

TECHNOLOGY COMPARISON

	Mark Quality	Materials	Mark Speed	Permanent Mark	Process Consumables	Equipment
Laser	<i>Excellent</i>	<i>All materials</i>	<i>Fast</i>	<i>Yes</i>	<i>None</i>	<i>Excellent</i>
Dot peen	Poor	Metals	Slow	Yes	Stylus	Good
Ink Jet	Average	All materials	Fast	No	Inks & cleaning fluid	Poor
Chemical Etch	Excellent	Metals only	Slow	Yes	Process chemicals	Good

COMMONLY MARKED MATERIALS



LMF SERIES FIBER LASER MARKERS

- 10-100 W fiber laser markers
- High-power, high-speed laser marking system for metals, plastics, and ceramics
- Excellent contrast and crispness of annealed and engraved marks
- Air-cooled, sealed industrial package designed for operation in harsh environments
- Powerful control software with industry standard programming
- Multiple integration options to match application needs
- Complies with IEC13849 1 category 3 P.d safety circuitry with proper integration
- Marker Motion™ unit comes with integrated stage controllers for up to 4 axes

For more than 60 years, Amada Miyachi America Engineers have been working with customers like you to provide reliable industrial welding, marking and sealing solutions. And because we do it all under one roof, we offer you the fastest path from concept to target production rate and yield.

Want more information? Contact us today and put our expertise to work for you!



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