Enhancing the Quality of Industrial Engraving

200 WATT LASER WELDER AND MICRO-TIG WELDING SERVICES

RECENT ADDITIONS!

MOLD ENGRAVING | LASER WELDING
PART MARKING | LASER TEXTURING | 3D ENGRAVING

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ABOUT PLT: Precision Laser Technology is a leader in laser engraving technology and services providing precision quality etching to customers worldwide. PLT combines digital imagery and proven laser solutions to engrave molds for injection and blow molding applications; manufactured components and parts for identification reading and traceability, and various substrates for decorative and promotional markings.

LASER WELDING - MOLD & DIE REPAIR: PLT offers Laser Deposit Welding services for the repair of mold components. Whether your repair request is for design changes, reconditioning of existing tooling, or manufacturing corrections, PLT can address your needs quickly and precisely. PLT’s mold experience and welding techniques minimize the amount post work necessary to return your mold into production.

Our Laser Welding systems are equipped with tilt adjusting optics allowing the laser beam to target vertical surfaces and complex areas with reduced set-ups. PLT’s laser welding technology maintains a low energy beam to a precise heat-affected zone. The localized heat and rapid cooling process minimizes any thermal overload to the work piece and excludes the need for pre-heating.

LASER WELDING - SPOT & SEAM WELDING: With the use of different pulsation methods and low heat control, PLT provides precise laser beam control for spot welding and micro joining of advanced materials. Our automatic welding operations make for efficient production processes with higher control and repeatability.

TYPES OF TOOL MATERIAL FOR LASER WELDING:
S7     H13     P20
420 SS  440 SS  A2, D2 and M2
Aluminum (including QC10)
Copper (including Moldmax & Moldstar)
ELMAX

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