

Engravings for Complex Mold Geometry

Depth of less than 0.002"

Deep Engraving up to 0.125"

5-Axis Capability

Micro-Machining



Laser Marking of Anodized Aluminum provides a means for Highly Visible, Legible and Permanent Images.

SERVICE & SUPPORT...

Technical service team
available 24/7.

QUALITY...

Over 15 years of
laser engraving experience.

PRICE...

Our cost savings are
your profit.

ON-TIME DELIVERY...

Orders returned 72 hours
from receipt guaranteed.

Enhancing the Quality of Industrial Engraving

PRECISION LASER TECHNOLOGY
PART MARKING METALS - SERVICE SHEET

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.

PART MARKING: PLT extends its laser technologies to marking plastic, ceramic, leather and anodized materials. Our technology and variable process flexibility allow the ability to increase marking speeds that yield shorter turnaround time to the end user and draw greater precision for enhanced quality.

ANODIZED ALUMINUM: Anodizing serves as a protective coating and hardener for fabricated aluminum parts. As an add-on, the ability to dye the anodized layer offers a contrasting backdrop for laser markings. Our laser technology is programmed to remove the anodized coating and aluminum oxide to expose the material's surface. The interaction between the laser and the aluminum creates a bleach white mark that is highly visible against black and other colored anodizing.

STAINLESS STEEL: Marking stainless steel is achievable utilizing the proper laser source and power settings to provide a dark contrasting mark that is highly visible. Varying grades of steel respond differently and yield distinct shades of black. If desired, a permanent pigment could be introduced to provide color enhancement for a darker shade.

MATERIALS:

Steel	Titanium
Aluminum	Silver
Copper	Nickel
Beryllium	Tin
Brass	Cobalt

OTHER MARKING MATERIALS:

Plastic	Acrylic
Glass	Ceramic
Wood	Rubber
Leather	

INDUSTRIES:

Medical
 Optics
 Telecommunications
 Aerospace
 Defense
 Automotive
 Micro-Electronics
 Ad Specialty

MARKING DETAILS:

2D and 3D Barcodes
 Logo's and Graphics
 Alpha / Numerics
 Product Data
 Lot and Date Codes
 Serialization

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