PLT assists mold manufacturers with the etching of precision details and surface finishes for low and high cavitation molds.
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.

MOLD ENGRAVING: Laser engraving is a computer-driven, environmentally friendly alternative to mechanical engraving, chemical etching, milling, and many other costly, lower quality processes. In recent years, laser technology has proven to be a viable source for mold engraving as many traditional engraving methods have failed to meet the continually growing standards for precision, depth, and quality. Alpha-numeric character sets or images are etched on various material surfaces, such as stainless steel, graphite, aluminum, and copper while providing quality engraving each time.

MATERIALS:
Tool Steels (including Hardened)
Aluminum (including QC10)
Copper (Beryllium & Moldstar)
Graphite

CAPABILITIES:
Engraving Depth Ranging from <0.001" - 0.125"
Tolerance of +/- 0.0005"
Sidewalls and Contoured Surfaces
3D Engraving
5-Axis Control
High Cavitation
Laser Texture & Polish

ENGRAVING DETAILS:
2D and 3D Logo's and Graphics
Cavity ID's
Date Codes
Recycle and Material Codes
Vent Lines
Tool Identification

INDUSTRIES:
Medical
Health & Personal Care
Packaging
Micro-Electronics
Consumer
Caps & Closures

Enhancing the Quality of Industrial Engraving