



Metal Fabrication Capabilities

General Capabilities	Small Components Large Components Heavy Components
Fabrication Method	Bending Forming Laser Cutting Rolling Shearing Turret Press Punching
Materials	Aluminum Brass Copper Aluminized Steel Galvanized Steel Mild Steel Stainless Steel Some Plastics <ul style="list-style-type: none"> • Lexan • Thermolic • Acrylic Glastic - Insulation Plastic
Raw Material Forms	Sheet Angle Tubing Bar Stock Tread Plate
Material Thickness	20 ga. - ½ in.
Length	Up to 12 ft.
Width	Up to 5 ft.
Weight	Up to 10,000 lb.
Tolerance (+/-)	0.003 in.
Laser Type	CO2 (Gaseous)
Laser Power	4,000 Watts
Cutting Axis	2-Axis
Kerf	Up to 0.007 in.
Material Cut	Aluminum Stainless Steel Steel

Laser Max. Thickness	1 in. Steel 3/8 in. Aluminum 3/8 in. Stainless Steel
Typical Products	Electronic Enclosures Frames Bevels Brackets Channels Chassis Tanks Spacers Racks
Additional Services Provided	Assembly Design Assistance Brazing Machining Hardware Insertion Packaging Welding Vibratory Deburring
Production Volume	10 - 100+ pcs Prototype Low Volume Small Run
Typical Lead Times	2-4 Weeks
Industry Focus	Aerospace Computer Defense Electronics Food Measure Instrumentation Medical Transportation Power Systems Telecommunications Utilities
Industry Standards	AWS - American Welding Society ISO 9001:2008 International Organization for Standardizations
Efficiency	J.I.T Stocking Programs, Kanban
File Formats	AutoCAD (DWG, DWZ) PDF Portable Document Format SolidWorks (SLDPRT, SLDDRW, SLDDRT) STEP - Standard for the Exchange of Product Model Data