



EQUIPMENT LIST

Laser Equipment

1	7000 watt CO2 laser with 14'x45' cutting bed
1	6000 watt CO2 laser with 6'-6"x13'-3" cutting bed
3	5000 watt CO2 laser with 5'x10' cutting bed, with shuttle system
1	4000 watt CO2 laser with 5'x10' cutting bed with shuttle system and auto-loader
1	2500 watt slab laser with 5'x10' movement system with shuttle table
1	3300 watt CO2 laser (5 Axis) with 6'x14' movement system that can be indexed for larger sizes
1	3300 watt CO2 laser with 6'x10' movement system that can be indexed for larger sizes (X-Axis =10', Y-Axis=6', Z-Axis=34") Designed for cutting Pipe, Tubing, 3-D parts and beveling. (5 Axis)
1	2200 watt CO2 laser (4Axis) with 5'x8' movement system with a rotary table for tubing up to 18" dia. (5 Axis capability) – (820)

Laser Cutting Capabilities

The following are laser cutting capabilities based on standard production runs. Improved tolerances can be obtained as needed depending on variables.

3 AXIS (FLAT)	
Carbon	.001 - 1-1/4" thick
Stainless	.001 - 1-1/4" thick
Alloys	.001 - 1-1/4" thick
Aluminum	.001 - 5/8" thick
Plastic	.001 - 1"+ thick
Brass	.001 - 3/8" thick
Copper	.001 - 3/16" thick
5AXIS (MULTI-CONTOURED SURFACES)	
Carbon	.001 - 5/8" thick
Stainless	.001 - 3/4" thick
Alloys	.001 - 3/4" thick
Aluminum	.001 - 3/8" thick
Brass	.001 - 3/8" thick

PLASMA CUTTING CAPABILITIES	
Carbon	1" - 3" thick
Stainless	1" - 3" thick

WATER JET CAPABILITIES	
6" x 60" x 120" capacity	It is capable of running single or stacked flat material from 0.0625" to 6" with tolerances up to +/- 0.005"

Welding Equipment (AWS Certified)

2	Programmable 7-Axis 400 amp Robotic Mig Welders with Preston Easton Position
2	500 Amp MIG Welders
4	300 Amp MIG Welders
2	250 Amp TIG Welders
2	Spot Welders 175 KVA
1	200 Amp Aluminum Spool Welder
2	Nelson stud welding machines

Other Cutting Equipment

Model H90a-B/F Automatic Feed Hem-saw
Model Cyclone Auto-AC Hem-Saw
"Sidewinder" Hem-Saw for Angle Cutting
Vertical Band Saw, 16"
Hot Saw 14"
48" Shear, 16 Gauge Carbon Maximum

Forming

1	10 gauge x 4' Rolls
1	1/2"x8' Rolls (4 roll)

Press Brake

1	440 Ton Press Brake 20' Bed, Repeatability + - .0002, CNC crowning, ability to bend cones & transitions, sheet lifter for one man operation on large format bending.
1	175 Ton Press Brake, 12' Bed
1	100 Ton Press Brake, 10' Bed
1	60 Ton Press Brake, 6' Bed
2	250 Ton Press Brake, 12' Bed

Machine Shop Equipment

3	HASS VF3 3-Axis CNC Vertical Machining Center
1	OM-1 Omni mill 4-Axis CNC Horizontal Machining Center
1	Alliant MX3 3-Axis CNC Vertical Mill
1	Sharp H MV 3-Axis Vertical Mill
2	1/2" H.P. Drill Presses
1	G.H. 1660 5' Horizontal Lathe
1	Okuma Lathe-Model LB15
1	Dawoo CNC Turning Center Puma 10-S

Powder Coating

Manual and automatic electrostatic spray guns
3-stage phosphate heated wash system
Oven Window opening is capable of passing large to medium sized parts
350 hook, heavy chain line
6" hook hanger spacing can accommodate large quantities in one pass

Wet Painting

Large and small format spray booths with fire suppression systems
Separated paint curing booth to eliminate spray booth downtime.
We specialize in 3 part paint applications utilizing zinc, epoxy and polyurethane coatings

Timesaver Finishing Machines

1	Wet Timesaver - 37" x 60" x 3" with 37" parts window
1	Wet Timesaver - 9" x 60" x 1" with 9" parts window
2	Vibratory Shaker/Tumbling Machines
2	Wheelabrator rotating blasting cabinets

Marking and Laser Etching Equipment

1	120 Watt Nd:YAG Marking Laser 6" height capacity, 6x6 etch area with 12' indexing
1	100 Watt Co2 34"x48" bed
1	80 Watt Nd:YAG 4" x 4"x 4" with 6' indexing
2	Pneumatic portable Stinger stamping guns