# Metal Fabrication Capabilities

## FLAT SHEET LASERS
- 22 Flat Sheet Lasers up to 5000 watts including 10 fiber lasers
- Tolerances as tight as ± 0.003”
- Max Gauge: Steel 3/4”, Aluminum 1/2”, Stainless Steel 3/8”, Titanium 1/8”
- Max Sheet Size: 60” x 120”

## TUBE LASER
- (3) BLM Tube Lasers
  - Max Tube Width: Must fit into a 6 inch diameter circle or max of 10 lbs/ft
  - Max Tube Length: 27’
  - Max Gauge: Steel 5/16” wall, Aluminum & Stainless Steel up to 5/32” wall

## PRESS BRAKES
- 35 press brakes
- Capacities up to 13’ 4” beds and 320 tons

## CNC MACHINING
- (3) CNC Lathes (max 12” diameter)... (48” long bar capability)
- (5) CNC Mills - 3 Axis End Mills (max 20” x 40” without reposition)
  - Tolerance: Up to ± 0.0005”
- (7) Horizontal Cutoff Saws (3 mitre)
- (2) CNC Routers with max table size of 60” x 120”

## ROBOTIC WELDING
- (8) Single Weld Robot Systems
  - Capable of multiple weld processes
- (2) Dual Weld Robot Systems with rotational headstock & tailstock
  - Max size: 44” diameter x 108” long

## MANUAL WELDING
- (5) Tig Welders
- (130+) Mig Welders
- (2) Stud Welders
- (3) Spot Welders

## FINISHING / DEBURRING
- (1) Steel Master Finishing Machine
  - Max Width: 36”  Max Thickness: 4.7”
- (2) Tumble Deburring Machines

## TUBE BENDING
- (2) CNC Tube Bender (2.5” capacity and/or 1/8” wall)

## IN-HOUSE POWDER COAT
- Seven stage wash system
- Reverse osmosis water system
  - Max size 6’ x 12’ x 3’
- In-line zinc priming station
- Instant color change capabilities

## ASSEMBLY
- Haeger fastener insertion
- Riveting - blind, semi - tubular
- Lamination / Adhesives
- Value added on completed products