Facilities List
Fabrication

*Contract Metal Fabrication, Machining, Welding, Assembly, and Finishing*

**Plasma/Oxy Cutting Systems**

**Messer MG Titan II Cutting Machine**
- 2 MG Titan II Thermal Cutting Machines on a common rail
- 4 ALPHA Oxyfuel torches per Cutting Machine
- 1 HyPerformance Plasma HPR260 torch per Cutting Machine
- 10’ x 80’ self cleaning downdraft cutting table

**Laser Cutting Systems**

**ByStronic BySprint Pro 4020 Fiber Laser**
- 6000 Watt
- 80” x 160” dual pallet tables

**Cincinnati CL-850 Laser**
- 5000 Watt
- 72” x 144” dual pallet tables

**Saw**

**HYD-MECH M16A** automatic horizontal band saw
- 18” x 27” capacity with miter cutting 7.5 HP 60 HZ

**Forming Equipment**

**Carell 308HV4 Double Pinch Angle Roll**
- Flats Hard: 5 ½” x ¾” ø60” Flats Easy: 8” x 2” ø42”
- Pipe Schedule 40: 5” ø70”
- Angle Leg-in: 4” x ¾” ø48” I Beam Easy: S8” x 23 # ø48

**Accurpress 548514 Accell Press Brake**
- 485 Ton Synchronized CNC Press Brake, 14’ capacity
- with automatic back gauging and crowning systems

**Strippit/LVD CNC Press Brake**
- 350 Ton, 8-axis, 10’ capacity

**Pacific Hydraulic Press Brake**
- 400 Ton, 16’ capacity with automatic back gauging

**Roundo PS255 Plate Bending Roll**
- double pinch type, 10’ x ½” capacity, bar-on-edge capacity 3” x 1-¾”, angle capacity 3” x 3” x ¾”

**New Dimension P4.25 Roll**
- 4’ x ¼” capacity
Facilities List
Machining Centers - CNC

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Bridge Mill
Okuma MCR-A5CII Dual Column Bridge Mill
100” X 200” X 70” work envelope, max table weight 59,400 lbs.
programmable 90 degree head, 5-side machining capability
with coolant through the spindle, paired with 20,000 lb. crane

Horizontal Machining Centers
Toyoda FH1250SX Twin Pallet
Axis travels; x = 87”, y = 63”, z = 72”, swing=96”
Toyoda FA800 Twin Pallet
Axis travels; x = 53”, y = 45”, z = 45”, swing=63”
Toyoda FH630SX Twin Pallet
Axis travels; x = 39”, y = 32”, z = 33”
HAAS EC630 Twin Pallet
Axis travels; x = 40”, y = 33”, z = 35”

Vertical Machining Centers
2 HAAS VF-6/50 Axis travels; x = 64”, y = 28”, z = 25”
4 Haas VF-5/50 Axis travels; x = 50”, y = 26”, z = 25”
HAAS VF-2YT Axis travels; x = 30”, y = 20”, z = 20”
2 HAAS HRT310 4th Axis Positioners
all HAAS VMCs are 4th axis capable

Turning – CNC
Toshiba TUE-15 Vertical Turning Center
71” max cutting diameter, 59” max height,
max table weight 17,600 lbs.
HAAS SL-40 55 hp CNC lathe with live spindle
Max swing 25.5” Max cutting length 44”
HAAS ST-40T 55 hp CNC lathe with live spindle
Max swing 25.5” Max cutting length 44”
DMG MORI CTX BETA 800 CNC Turning Center
20” max cutting diameter Max cutting length 31 ½”

Okuma MCR-A5CII Bridge

HAAS VF-6/50
Welders and Positioners

Robotic Welding Cell

2 ABB IRB 2600 Six Axis Robots, IRBP K Servo Positioner
2 Lincoln Welding power supplies, load capacity 2,200 lbs. swing diameter 55”, max part length 157”

Robotic Welding Systems

ABB Lean Arc 500B - Includes one IRB 2400L six axis robot, one IRBP 500B 5 axis positioner, and one Lincoln Powerwave 455M weld power supply. Capacity 40” x 57” x 1100 lbs.

3 ABB Lean Arc 750B - Includes one IRB 2400L six axis robot, one IRBP 750B 5 axis positioner, and one Lincoln Powerwave 455M weld power supply. Capacity 40” x 57” x 1650 lbs.

ABB Lean Arc 1000K – Includes two IRB 2600-12 six axis robots, one IRBP 1000k 3 axis positioner, and two Lincoln Powerwave 455M weld power supplies. Capacity 55” x 157” x 2200 lbs

Manual Welding

12 Miller pulsed 450 amp mig welders
43 wire feed welders from 350 to 650 amps.
3 Ransome Work Positioners (2,000 lb., 1,000 lb., and 750 lb.)
3 Aronson 6,000 lb. Work Positioners.
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**Paint Systems**

**Batch Booth Coating System**
- Part capacity wet paint: 14’ x 14’ x 25’
- Part capacity powder coat: 14’ x 14’ x 20’
- Indexable conveyor with 5 ton hanging capacity,
  in line wash system with reclamation for cleaning
  and phosphatizing and dry cycle, wet paint booth
  with bake cycle up to 200 °F, powder coat booth
  and bake oven 180° - 450° F.

**Powered Conveyor System**
- Part capacity: 4’ x 4’ by 10’
- Six-stage power spray wash booth with iron phosphatizing
- 3 spray booths, prime coat oven and topcoat oven booth with 450°
  capacity 1466’ of track and 1100 hooks rated at 300 lbs. each

**Shot Blasters**

**Pangborn ES-2050 Wire Mesh Belt Blaster** 48” X 36”
work envelope,
8 265DD Genesis 26 1/2” 25 HP wheels, belt speeds 2 ft./min. to 20
ft./min.

**Bronco 7’ Two Wheel Table Blaster**

**Bronco 6.5 Cu Ft. Tumble Blaster**

**Inspection Equipment**

**Brown & Sharpe Status 9158 DCC CMM**
travels x = 900mm, y = 1500mm, z = 800mm, accurate within +/-0.00035

**Faro Fusion Series portable CMM**
10’ spherical measurement range Accurate within +/-0.0010”

**Material Handling/Shipping**

Various overhead cranes with 5-ton to 10-ton capacity
Various ½-ton to 2-ton jib booms
Case 621 Wheel Loader with fork attachment
8 forklifts with capacities from 5,000 lb. to 12,000 lb.