



Facilities List

Fabrication

Plasma/Oxy Cutting Systems

Messer MG Titan II Cutting Machine

2 MG Titan II Thermal Cutting Machines on a common rail
4 ALFA 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

80" X 160" dual pallet tables

Forming Equipment

Carell 307HV4 Angle Roll

Capacities: Flats Hard – 4" x 1" ϕ 44" Flats Easy – 7" x 1-38/" ϕ 32"
Pipe Schedule 40 – 4" ϕ 45" Angle Leg-in – 4" x 38" ϕ 50"

Accurpress 548514 Accell Series 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 1/2" capacity, bar-on-edge capacity 3" x 1-1/8",
angle capacity 3" x 3" x 3/8"

New Dimension P4.25 Roll 4' x 1/4" capacity



Facilities List

Machining Centers - CNC

Bridge Mill

Okuma MCR-A5CII Dual Column Bridge Mill

100" X 200" X 65" 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"

Toyoda FH450S Twin Pallet Axis Travels; x= 23", y = 23", z = 23"

Okuma MB-500H Axis travels; x = 30", y = 30", z = 30"

Vertical Machining Center s

2 HAAS VF-6/50 Axis travels; x = 64", y = 28", z = 25"

2 Haas VF-5/50 Axis travels; x = 50", y = 26", z = 25"

HAAS VF-2SS Axis travels; x = 30", y = 20", z = 20"

2 HAAS HRT310 4th Axis Positioners all HAAS VMCs are 4th axis capable

Turning – CNC

DMG Mori CTX Beta 800 Sub spindle lathe with live tools, max swing 20" max
length 31.5"

HAAS ST-40T 55 hp CNC lathe with live tools, max swing 25.5" Max cutting length
44" Big bore through spindle capacity 4" max diameter.

Saw

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



Facilities List

Welding

Welders and Positioners

Robotic Welding Systems

ABB/Wolf Robotics 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/Wolf Robotics 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/Wolf Robotics 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

ABB/Wolf Robotics 5000K Sky Hook — Includes one IRB 4600-20 six axis robot mounted to a robot travel track, one 5000KG 2 axis sky hook positioner, preheat package with temperature sensing, and one Lincoln Power Wave S700 power supply. Capacity 100" x 142" x 11,000 lbs.

Manual Welding

12 Miller pulsed 450 amp multi-process welders

43 wire feed welders from 350 to 650 amps.

Multiple weld positioners and rotators up to 10,000 lb capacity.



Facilities List

Finishing / Additional Information

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

1 powder booth

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 +/- .00035

Faro Fusion Series portable CMM 10' spherical measurement range
Accurate within +/- .0010"

Material Handling/Shipping

Various overhead cranes up to 10-ton capacity

Case 621 Wheel Loader with fork attachment

8 forklifts with capacities from 5,000 lb. to 12,000 lb.



Facilities List

D&S
Manufacturing

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ISO 9001:2008 Certified

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