



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
2 ALPHA Oxyfuel torches per Cutting Machine
HyPerformance Plasma HPR400XP torch per Cutting Machine
Machine 10' x 80' self cleaning downdraft cutting table

Vectis UR20 Cobot with Hypertherm

Powermax 125 plasma

Laser Cutting Systems

ByStronic BySprint Pro 4020 Fiber Laser

6000 Watt 80" x 160" dual pallet tables

Bystronic ByStar 4020 Fiber Laser

6000 Watt 80" x 160" dual pallet tables

Saw

Marvel E2125PC3s vertical tilt frame bandsaw, 20" x 25" capacity, bundle cutting capable

Forming Equipment

Carell 308HV4 Double Pinch Angle Roll

Flats Hard: 5 ½" x ¾" ϕ 60" Flats Easy: 8" x 2" ϕ 42"

Pipe Schedule 40: 5" ϕ 70"

Angle Leg-in: 4" x ½" ϕ 48" I Beam Easy: S8" x 23 # ϕ 48

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

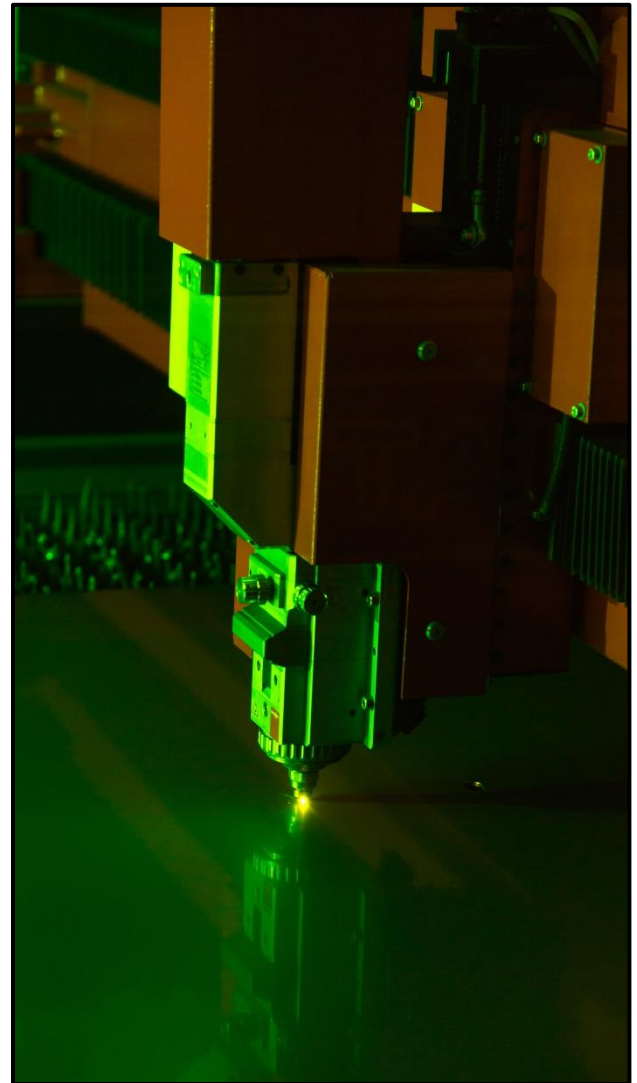
350 Ton, 8-axis, 10' capacity

Pacific Hydraulic Press Brake

400 Ton, 16' capacity with automatic back gauging

Davi MCA2024 4 Roll Plate Roll

Double pinch type, 80" width capacity, 5/8" thickness capacity, 9.5" top roll, 9" bottom roll



ByStronic BySprint Pro 4020 Fiber Laser



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"

Okuma MA-500HII

Axis travels; x = 27.5", y = 35.43", z = 30.71" 19"x19" pallet

Vertical Machining Centers

3 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-2YT Axis travels; x = 30", y = 20", z = 20"

2 HAAS HRT310 4th Axis Positioners

all HAAS VMCs are 4th axis capable

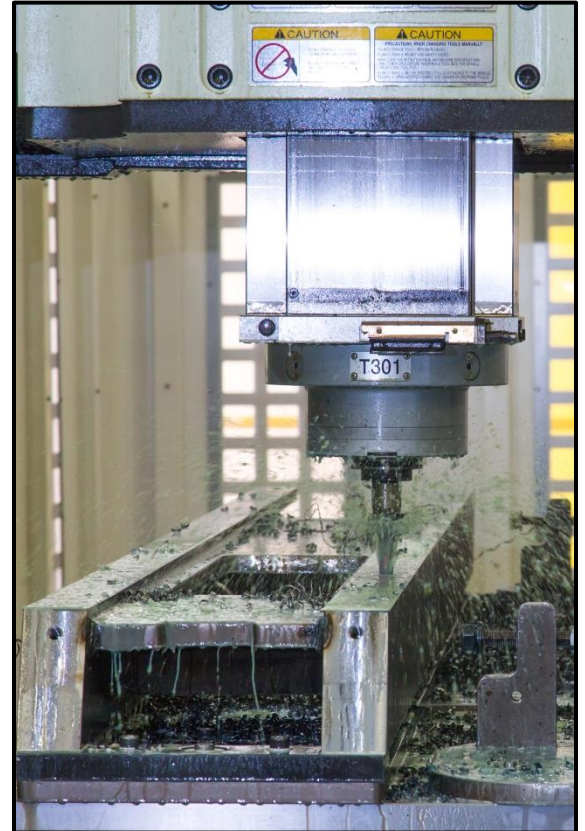
Turning – CNC

HAAS ST-40T 55 hp CNC lathe with live tooling

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" twin
spindles, live tooling, X and Y



Okuma MCR-A5CII Bridge



HAAS VF-6/50

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Welders and Positioners

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.

4 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

ABB Lean Arc Skyhook - Includes 1 IRB 4600 six axis robot, robot travel pack, 3 axis positioner. Capacity 140" x 140" x 140" x 10,000 lbs

2 Vectis UR10 Cobots

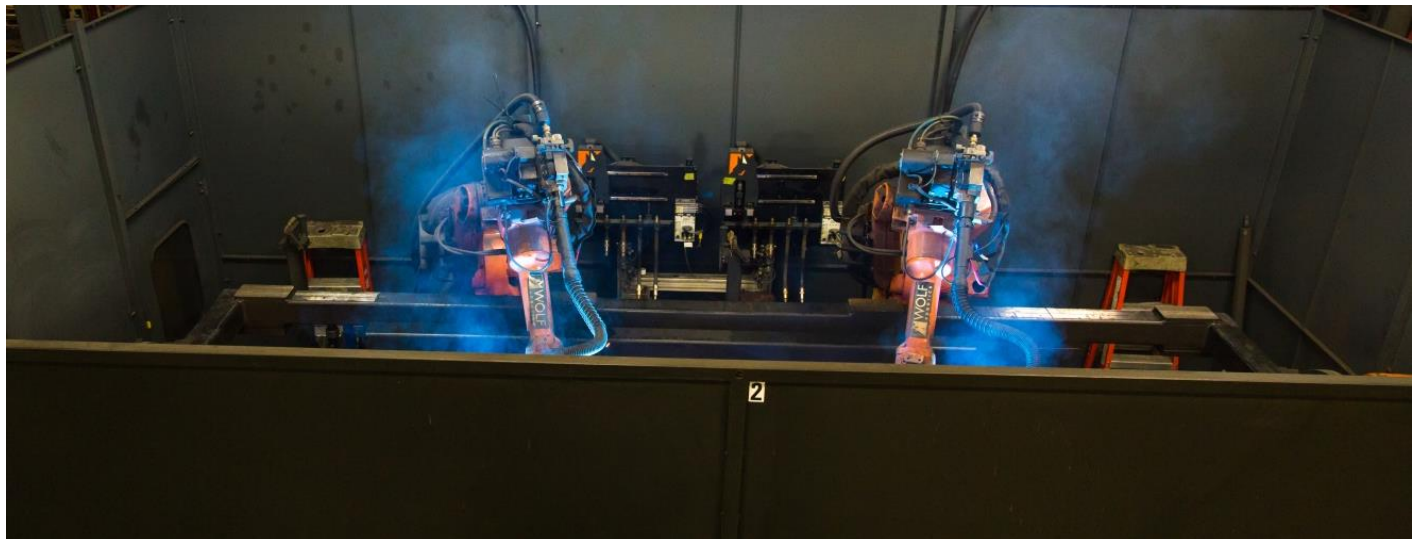
Manual Welding

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
2 spray booths, powder booth, 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
+/- .00035

Faro Fusion Series portable CMM

10' spherical measurement range Accurate within +/- .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.

