

Facility Listing as of November 2009

SHEET METAL FABRICATING

- 5 Sheetmetal CAD/CAM/Modeling Workstations
- 3 CINCINNATI – 4000 watt - 72" x 144"
CNC Laser Cutters with Dual Auto pallet
Changers, up to 1" thick steel cutting capacity.
- 2 CINCINNATI – 2000 watt-48" X 96" CNC Laser
Cutters with Auto Pallet Changers
- 3 STRIPPIT - 20 Station CNC model 1000 XP &
1250XP Turret Punch Presses with 3
Programmable Auto Index Stations each.
- 2 CINCINNATI - 350 Ton 14ft CNC Hydraulic Press
Brakes with Computerized Backgauges,
Extended stroke & Auto-Crown Compensators.
- 2 CINCINNATI – 90 Ton x 8ft Autoform CNC
Hydraulic Press Brakes w/ 5 axis backgages,
Auto-Crown & Adaptive Autoform Controls
- 2 CINCINNATI -175 Ton 12ft CNC Autoform
Press Brakes with 5 axis backgauges, Extended
Stroke, Adaptive controls, autocrown.
- 2 CINCINNATI - 135 Ton 8ft CNC Hydraulic Press
brakes with extended strokes, 5 axis backgauges,
and autocrown. Autoform models.
- 2 CINCINNATI – 230 Ton 10' CNC Hydraulic
Press Brake w/ 5 axis backgage, Autocrown, 22"
stroke, 20 " throat & Autoform adaptive control
- 1 CINCINNATI - 90 Ton Extended Stroke 8 ft.
CNC Hydraulic Press Brake with Computerized
Backgauge, w/ Autocrown.
- 1 CINCINNATI – 60 Ton x 6 ft
CNC Hydraulic Press Brake with Computerized
Backgauge and Autoform Control.
- 1 CINCINNATI - 1/4" x 12 ft. CNC Hydraulic Shear
With CNC backgage & power knife clearance.
- 1 1/4" x 48" Mechanical Shear
- 2 36" Timesaver Abrasive Belt Wet systems with
Dryers
- 2 BROWNE & SHARPE Punch Press Tool
grinder/sharpeners
- 3 PEM-Serter Presses, Series 2000 PEM models with
auto feed fastener systems.

MACHINING

- 4 Machining CAD/CAM Workstations
- 1 CNC Machining Center 120" x 252" x 54" Capacity
- 1 CNC Machining Center -96" x 252" x 36" Capacity
- 1 CNC Machining Center -120" x 180" x 42" Capacity
- 2 CNC Machining Centers-100" x 25" x 26" Capacity
- 6 CNC Machining Centers with 20 Station Tool
Changers - 20" x 40" x 18" capacity
- 6 Vertical Milling Machines
- 2 CNC Turning Center s 8" chuck, 15hp, 2.5" bar cap
- 1 15" x 36" Tool Room Engine Lathe
- 11 20" x 80" Heavy Duty Gap Bed Engine Lathe
- 12 Gang Drill Presses

WELDING

- 1 MOTOMAN Robotic MIG Welding Cell
- 20 MILLER Syncrowave 300 Amp AC-DC Heli-Arc
Tig-Welding stations
- 4 MILLER Syncrowave 350 Amp AC-DC Heli-Arc
Tig-Welders
- 5 MILLER Aluminum GMAW-MIG WELDING
STATIONS- with Push/Pull wire feeders.
- 24 LINCOLN 300 Amp MIG-GMAW Welding
Stations
- 1 150 Amp Plasma Cutting System
- 1 250 Amp Arc –Stick Welder
- 2 200KVA Sciaky 3 Phase Spot Welders
with microprocessor controls.
- 1 100KVA National Spot Welder with
Microprocessor control
- 24 5' x 8' ACORN Platen Weld Tables
- 2 HEATH Contour Flame Cutting Systems
- 1 4' x 4' Rotary Welding Table
- 6 4' x 4' Machined Surface Welding Tables
- 2 1/2" Capacity Stud Welders
- Oxy-Acetylene Welding & Brazing Equipment

STRUCTURAL FABRICATING

- 1 JOHNSON 18" Cutoff Saw
- 5 METAL MIZER Vertical-tilting Cutoff Saws
- 1 IRON WORKER Angle Station 6 1/2" x 8"
- 3 10' x 18' Structural Welding Fixtures
- 2 12' x 30' Structural Welding Fixtures
- 2 I-Beam Straighteners
- 2 10 Station Hole Gang Drilling Machines
- 1 3/8" X 6 ft. Capacity Montgomery Sheet and
Plate Rolling Machine with Digital Readout
- 2 Bead / Sand Blast Systems (Indoor & Outdoor)
- 1 – Ercolina Structural and Tube roller/bender

PAINTING

- 2 15' x 30' Wet Spray Painting Booths
- 1 16' x 34' Automotive Class Filtered Down Draft
Wet Spray Painting Booth
- 2 12' x 30' Drive Thru Wash/Pre-treat Booths
- 1 11ft x 11ft x 11ft automatic wash/pre-treat Spray
Cabinet- Multi stage.
- 8 Binks HVLP wet spray painting systems
- 3 Electrostatic Powder Coating Systems
- 2 18' x 14' x 11'H Fully Enclosed Downdraft
Powder Coating Booths
- 1 9' W x 9' H x 14' L Gas Fired Baking Oven
- 1 10' W x 10' H x 14' L Gas Fired Baking Oven
- 2 8' x 8' x 40' Paint Storage Lockers
- 8 7 1/2 gal. Pressure Pots
- 2 Fresh Air Supply Hood Systems
- 1 3' x 4' Silkscreening Backlit Table Station

ENGINEERING AND PROGRAMMING

Design and modeling capability:
Solidworks, Pro E, Auto Cad

CNC Programming capability:
Mastercam, ProFab, ProFold, SigmaNest

CINCINNATI Advanced Bend Simulation Software
for Offline Press Brake CAM Programming &
Engineering

QUALITY CONTROL

Compliant towards Mil-I-45208,
Mil-STD-45662
Quality Assurance Manual in Place

- 2 4' x 10' Starrett Crystal Pink surface plates
- 4 2' x 3' Starrett Crystal Pink surface plates
- 5 3' x 4' Starrett Crystal Pink surface plates
- 1 80" VersaGage Digital Vernier Caliper
- 1 12' spherical measuring dia. FARO CMM
with 5' x 6' fixed table measuring station
- 1 J&L TEC-14 Optical Comparator
- 1 HR-150 Rockwell B and C scale hardness
tester
- 8 Starrett and Mitutoyo 24" digital and dial
height gages
- 1 Full range of Pin gages up to 1" dia

Full set of standard inspection tools and gages
including vernier calipers, micrometers, depth
micrometers, gage blocks, metric and unified
go/no-go thread plug gages, surface finish
gages, paint gloss meters, paint thickness gages,
ID and OD micrometers, precision squares,
precision angle irons, and precision scales.

MATERIAL HANDLING

- 30 2 Ton Pallet Jacks
- 3 10 ton- Overhead Bridge Crane Networks
- 8 2 Ton Gantry Cranes with Electric Hoists
- 2 75 H.P. Ingersol Rand Air Compressors
- 1 100 H.P. Ingersol Rand Air Compressor
- 20 2 Ton JIB Cranes located throughout plant

TRAFFIC AND DELIVERY

- 3 10 Ton x 26 ft. FORD Box Trucks - air ride
- 1 53 Ft Air Ride Box Trailer w/ Tractor
- 2 10 Ton x 24 ft. FORD Box Trucks
- 1 10 Ton x 26 ft. FORD Flat Bed Truck- air ride
- 2 3/4 Ton CHEVROLET Vans
- 2 3 Ton Hyster Electric Forklifts
- 2 6 Ton Propane Toyota Forklifts
- 2 2 Ton Electric Prime Mover Reach Trucks

RAW MATERIAL INVENTORY

100 Tons Standard Gauge Aluminum,
Stainless Steel and Carbon
Steel Sheet

150 Tons of Bar, Tube and Structural
Inventory in Stainless Steel, Carbon Steel,
and Aluminum materials.

REAL ESTATE

120,000 sq. ft. single story modern building
with 20 ft. ceilings. 15 acres Industrial Land.

INFORMATION TECHNOLOGY

Client Server Local Area Networks
Computerized Order Tracking
Computerized Enterprise Resource Planning
Computerized Enterprise Accounting
Networked Engineering Design Workstations
Computerized Quality Assurance.
Computer Real Time Graphical Scheduling