



**MACHINES AND CAPABILITIES LIST
LAST UPDATED SEPTEMBER 30TH, 2004.**

MACHINES

Our machine / equipment repair area is about 5,400 sq. ft. with a 5 ton overhead crane with 20' of lift.

Our fabrication shop is over 7,000 sq. ft. complete with a 15 ton overhead crane with 25' of lift.

The electrical / gearbox repair shop is about 2,200 sq. ft. with a 3 ton overhead crane with 15' of lift.

The shipping / receiving and CNC sections are 6,000 sq. ft. and equipped with a 5 ton capacity overhead crane.

The South building and roller assembly section is 4,500 sq. ft. and is equipped with 1 ton and 2 ton capacity overhead cranes.

We are currently using about 5,000 sq. ft. for preparation and storage prior to shipping customer goods as well as an additional 2,000 sq. ft. for research and development projects.

Some of the equipment we have in our facilities include the following:

Machining Equipment:

Capacity:

Lathes

- JHS CYTURN up to 34" Swing and 120" long
- SIRCO PA24
- LeBLOND
- McDOUGALL VDF
- LEADWELL LC30 – CNC Lathe
- Takisawa TC4 – CNC Lathe
- HAAS SL30 CNC up to 30" swing and 40" long
- 5 axis – Live Tooling Turning Center

HECKERT Universal Mill c/w digital readout

TOS W100A Horizontal Boring Mill c/w digital readout

X-axis 63"
W-axis 49"
Z-axis 35.4"
Y-axis 44"

WEBSTER and BENNETT Model 48" DM Duplex Vertical Boring Mill
c/w Digital Readouts

53" Swing
Z-axis 24"
X-axis 32"

Femco VMC – 1400 (30 Head) – vertical CNC mill

X-axis 47.25
Y-axis 23.6
Z-axis 23.6

BROWN & SHARP, Vertical Mill

16" x 60" Table

Do-ALL Automatic Bandsaw – Repeatable Cutting up to
1000 Cycles

10" x 16"

Kasto Bandsaw Horizontal – Fully Automatic

16" x 16"

Cansaw Vertical Bandsaw – Moving Head

12" x 12"

M.A.S. Radial Arm Drill Press.
Several small drill presses.

8' Arm, 8' Height

Precision Grinding and Surfacing Equipment for Diesel Engine Piston, Valve and
Cage Grinding Procedures.

Variable Frequency Drive Drill and Tapping.

Laser Alignment and Layout Equipment for Fabrication and Machinery
Installation.

Machining Equipment:

Capacity:

PEDDINGHAUS Model 210 Super 20 Ironworker.

120 Ton, 5 Station

Initial Pinch Hydraulic Plate Rolls.

3/8" x 10'

9 foot x 12 foot capacity, 3 Torch, CNC Plasma Profile
Table c/w touch screen controls and 32 Meg Library,
Repeatable to 0.015"

up to 2" thick pierce

Welding, Positioning and Cutting – Portable and Semi-Portable Equipment.

Electric Arc
Mig
Mig / Stick Combo
Portable Plasma
Cutter, 1¼” capacity
Oxy-Acetylene
Oxy-Fuel / Gas

Pipe and Tank Variable Speed Rolls for Welding, Machine Torch Plasma and Oxy / Fuel Cutting and Beveling.
Variable Speed Welding Positioners up to 1500 lbs. with 3 And 4 Jaw precision chucks and face plates.

CINCINNATI Hydraulic Shear with Variable Rake and and Back Gauge.

5/8” x 168”

CINCINNATI Brake with CNC Backguage, Light curtains, etc.

CONVEYOR ROLLER AND FRAME MANUFACTURING EQUIPMENT:

Seneca Falls Double Ended Facing Machine.

Seneca Falls Single End Facing Machine.

Canablast Bead Blasting System with loading rack and table.

Miller Twin Head Robotic Mig Welder.

Presses:

Capacity:

Hydraulic Presses - ENERPAC
- DAKE

100 Ton

Vertical Hydraulic Press

50 Ton

Horizontal Hydraulic Press

50 Ton

Horizontal Hydraulic Bearing Press

50 Ton

Equipment:

Capacity:

3 Heated Metal Cleaning Dip Tanks, complete with air agitation.

40” x 65” x 36” deep

2 Mobile Air Compressors with Sandblasting Equipment	300 CFM and 900 CFM
17.5 Ton Boom Truck - 20' x 8' Bed	81' Boom, 24' Jib 2 Man Basket Hydraulic Clam
12.5 Ton Boom Truck 20' x 8' Bed	66' Boom, 25' Jib

Fleet of Vehicles consisting of ½ & ¾ ton pickup and flatbed trucks, many with pipe racks.

This equipment, along with all of our smaller portable tools and rigging equipment, enable our highly skilled workforce to look after your needs quickly and efficiently, with quality results 24 hours per day, 365 days per year.