



**INTEGRATED SOLUTIONS
LEGENDARY SERVICE**

WAUSAU-NORTH SERVICE CENTER

Facility Size

- Repair Operations Production Area:
43,200 Sq. Ft.
- Warehouse: 16,800 Sq. Ft.
- Largest Entrance: 20' W X 16' H

Bridge Crane Capacity

- High Bay: 10, 15, 20, & 30 Ton Bridge Cranes
- Low Bay: 2 & 5 Ton Bridge Cranes
- 30 Ton Bridge Crane Details:
30 T hoist 18'-10" floor to bottom of hook
15 T hoist 20'-2" floor to bottom of hook
Traverses 4' deep truck bay with 20' W X 16' H door

Machining and Measuring

- Three lathes, all with digital readouts
60" Swing, 174" L
30" Swing, 114" L
28" Swing, 80" L
- Vertical knee mill with 30" bed & digital readouts
- Union BFT 110 CNC Horizontal Boring Mill
with 4.3" dia spindle, facing head & rotary table
- Union BFT 130 CNC Horizontal Boring Mill
with 5.1" dia spindle, facing head & rotary table
- CAM Innovations Automatic Undercutter
- CAM Innovations Lathe-Mounted Undercutter
- Potter-Rayfield E411B banding tension device
- CMM arm with Polyworks software
- Commutator Profiler

Hydraulic Presses

- 800 Ton horizontal wheel press,
84" working length, 12" throat
- 100 Ton vertical H-frame press
- 50 Ton horizontal bearing/coupling puller press

Welding, Brazing, Metalizing

- SMAW (stick) •GMAW/MIG (wire) •GTAW/TIG
- 3 each water-cooled resistance heat brazing units
- Metal Flame-Spray Capability
Eutectic Castolin TeroDyn F5220

Ovens

- Drying/Curing
95" W x 144" L x 88" H
72" W x 120" L x 72" H
120" W x 168" L x 106" H
- Burn (Thermal Stripping)
70" H x 70" L x 70" H
with multiple part-temp burner and
mist suppression control & process logging

Core Loss Testing

- 125 kVA (5,000 HP) Phenix Core Loss Test Set
- Full Flux "Loop" Testing for Larger Machines

Insulating Resins & Process Equipment

- Epoxy: Epoxylite 478 by Elantas PDG
VPI- 6' diameter
- Polyester: 433-75VTC by Elantas PDG
VPI- 9' diameter

Winding Machines

- Broomfield Model 700
- Broomfield Model 500

Other Test Equipment

- Fluke thermal imaging camera
- Flir thermal imaging camera
- 4 Each, 12kV surge testers (Baker & Electrom)
- 15 kV AC hipot
- 2 Each, small programmable AC/DC hipot test sets
- Phenix PAD 10-25, 10 kV AC hipot/25 kV DC hipot set
- 100 kV DC hipot
- 2 Each, Pruftechnik VIBXpert II Vibration data collectors

Dynamic Balancers

- 5,000# capacity, soft bearing
- 20,000# capacity, soft bearing
Balance to ISO 1940 G1.0 and better

Motor Test Set

- Phenix MTS 1000kVA AC, 675 kVA DC
0-7,200 Volts AC
0-500 Volts DC, 1350 Amps DC

Dynamometer

- 800 HP @ 1,350 to 3,600 RPM
500 HP @ 1,120 RPM
300 HP @ 960 RPM

Other Equipment

- Two Paint Booths
- Two Wash Bays 20' W X 18' D
- Abrasive Blast Room normally using glass bead
Size: 14'W x 16' D
Top access door for 15 Ton Bridge Crane
Entry door opening 8' W X 11' H
- Abrasive Blast Cabinet using glass bead

Largest Forktruck Capacity

- 20,000#