



Services Offered

- On-Site Machining & Welding
- On-Site Steam Valve Chest Repair/Upgrades
- Off-Site Steam Valve Rebuilds/Upgrades
- Reverse Engineering
- Manufacturing Spare Parts
- Material Upgrades
 - Bushings
 - Stems
 - Stationary Components

Shop Equipment List

CNC

Milltronics CNC Lathe 36"swing 80" between centers
Mori Seiki CNC Machining Center 60"x40"x20"z
4 ea. Sharp Bridgeport Style Mill-2 Axis CNC 18"x52"
TRAK FHM7 CNC MILL 72"x36"x24"z
Haas VF-5/50 Vertical Mill 60"x 40"x 20"z
Mitsubishi CNC Lathe 18"s x 40"c
HAAS ST-20SS CNC Lathe 12"s x 36"c live tooling
TRAK CNC Lathe 30"s x 68c"
Haas ST-30 CNC Lathe 20"s x 48"c
Bullard CNC 86" VBM 100"s x 88"z x 50" RT
Bridgeport Series II Anilam Miniwizard 18"x54"
4th axis turn tables 10" 2ea.

Manual

Jig Borer (Giddings & Lewis) 72" x 96" x 60"z x 4"dia. Bar
Supermax Bridgeport Style Mill 18"x54"
Gray Horizontal Mill 14'y x 35'x x 6'z x 6" dia. Bar
Cal Hawk Drill Press thru out shop 4ea.
Cal Machine Radial Arm Drill Press 6' swing
Romi Lathe 20"s x 6'c
Morey Deutsche Niles Werke VTL 60"s x 36"z
Kingston HB-43" Straight Bed Lathe 44"s x 18'c
Gun Drilling 1/4"-1.5" x 72" length

Welding

2-Weld Positioners 36" rotary table 3500lb capacity
ESAB PCM 875 Air Plasma Cutters 1/2" cap.
CNC GTAW Hotwire Weld System 5 axis
Miller S-22A Wire Feeders 4 ea.
Cold Wire Feed Hand Held 300 AMP 25'
Deep Bore 3 axis CNC Tig Welder 42" dept.
Miller 250s, 300s, 350s Weld Machines
Rediarc Portable Welding field Units 4 ea.
Koike Aronson Inc. Circle Cutter

Engineering Software

2010 AutoCAD 3D
Cobalt 3D Solids
Graphite 8.2 2D/3D wireframe
Master Cam 2010
Faro Cam2Q v 5.3

Heat Treating

3-Heat Treating Ovens
6 Way Heat Treating Unit #1
6 Way Heat Treating Unit #2
Induction miller Heat Treat Unit

Grinder

Blanchard Grinder 36" swing
Doall 10 Series Surface Grinder 12"x20"
Dayton Industrial Grinder 12"x24"
Delta Carbide Tool Post Grinder
Hydraulic Surface Grinder 24" x 60"
12" Tool Post Grinders 3 ea.

Saw

Roll In Vert. Band Saw Large cap.
WF Wells & Sons Band Saw (vertical)
Rockwell/Delta Chop Saw
Jet Horizontal/Vertical Band saw 14"dia. Cap.
Clausing Band saw 20"dia cap. X 25' lg.

Material Handling

Clark Fork Truck 5 Ton
25-Ton Overhead Crane Demag
25-Ton Overhead Crane Demag
Tractel Tralift 10 Ton Chain Hoists
2 Ton Electrical Magnet
JLG 40' Scissor Lift
2 ton Jib gantry Cranes 2 ea.
Large inventor of Rigging for handling up to 75 tons

Misc

15-80162 Trinco Dry Blast Cabinet 6'
12'x10' Sand Blast Booth - Vacuumed sealed
Carolina Parts Washer large
Sullair 25 hr-pwr Air Compressor 2 100gal hold tanks
Torque Multipliers up to 600 lbs
15-40031 Mill Accessory Yuasa Super Indexing Spacer
Sunnen P-28 4 Stone Holding Units
Sunnen P-28 5 Stone Holding Units
Sunnen P-28 5 Stone Holding Units
Portable Surface Roughness Gage
Inter pac Hydro units up to 20,000 psi for 300 ton rams
OTC Power Team 30, 100 and 300 Ton Ram 2 ea.
ENERPAC Holl-0-Cylinder 60 Ton Ram 2ea.
ENERPAC RC-508 50 Ton Ram 2ea.
Delta Air Cleaner
Faro Arm Platinum 8' Arm
Innovex Material Analyzer

6550 Revlon Dr
Belvidere, IL 61008

Phone: (815) 547-3725

Email: inquiries@orbitaltool.com

Our Business Revolves Around You

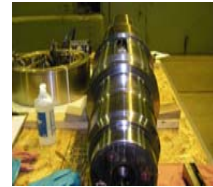
**Tour
Our Belvidere
Shop TODAY!**
See Shop Floor Plan Inside



Large crane bays 30' under hook
25 ton cranes



In shop tapered
Journal restoration



Ball mill main shaft
manufacturing



Feed pump case
restoration



Ball mill housing main bore
and flange field restoration



Valve stud hole
restoration



Tapered Journal
restored in-situ



All OEM types of collectors can
be done In-situ

New Addition (2009)

New addition (2002)

Built by OTT (1999)

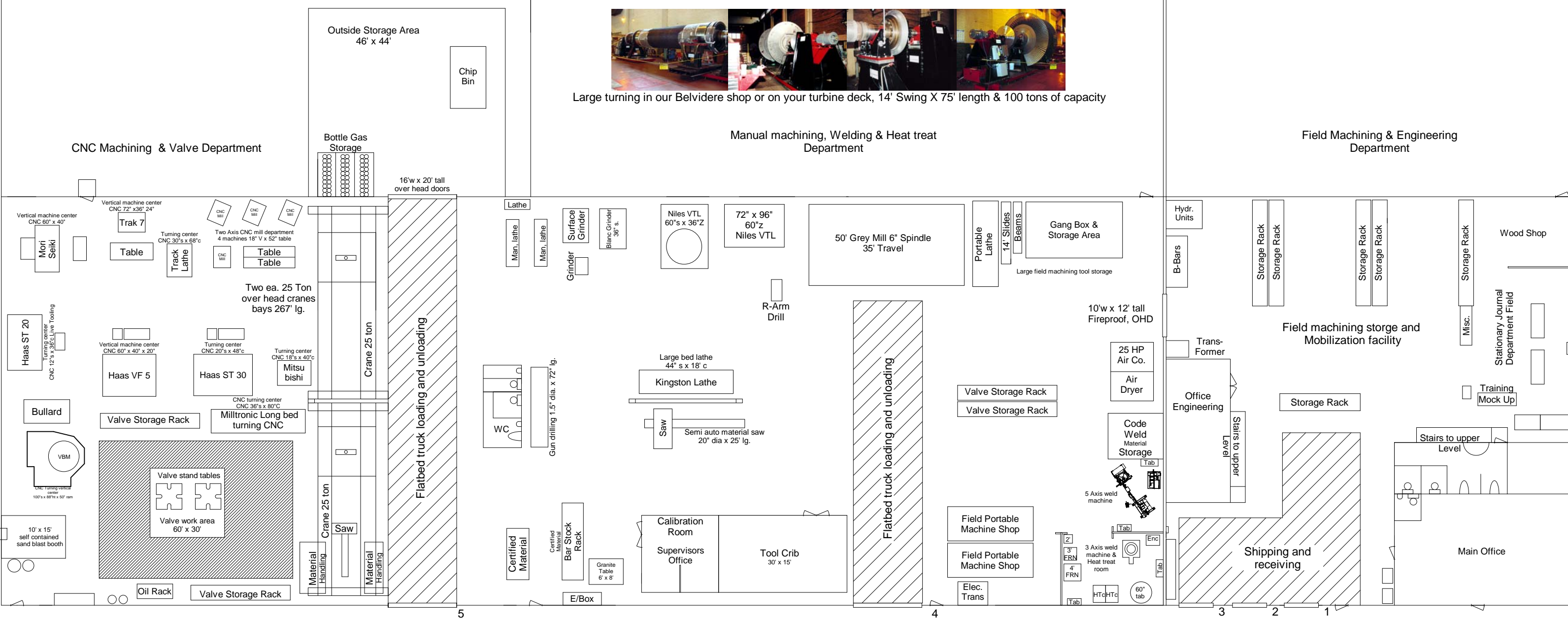


Large turning in our Belvidere shop or on your turbine deck, 14' Swing X 75' length & 100 tons of capacity

Manual machining, Welding & Heat treat
Department

Field Machining & Engineering
Department

CNC Machining & Valve Department



All OEM turbine and steam valve
related parts manufactured



All OEM steam valve related parts
manufactured with upgrade materials



20" cutting NC



No part # or print, no problem,
send a sample we'll take it from there



Throttle valve seat
Manufacturing



Field portable
machine shops



3 & 5 axis
CNC welding



Large Combine
valve seats
restored in-situ



Main stops
rebuild or upgrade



Featured Manufacturing Equipment:



Bullard CNC 86"
Vertical Boring Machine
96" Diameter x 88"z

HAAS VF-5/50
Vertical Mill
60" x 40" x 20"z



Gray Horizontal Mill
14'y x 35'x x 6'z 6" dia. bar

Mori Seiki
CNC Machining Center
60" x 40" x 20"z



Gun Drilling
1/4"-1.5" x 72" length

Kingston HB-43"
Straight Bed Lathe
44"s x 18" c



Giddings & Lewis Series 70
Jig Borer
72" x 96" x 60"z x 4" dia. Bar

Morey Deutsche Niles VTL
60"s x 36"z



CNC GTAW HOTWIRE WELD SYSTEM
5 axis

HAAS ST30
CNC Lathe
20"s x 48" c



HAAS ST-20SS
CNC Lathe
12"s x 36" c live tooling

Milltronics
CNC Lathe
36" swing x 80" between centers




TRAK FHM7
CNC Mill
72" x 36" x 24z

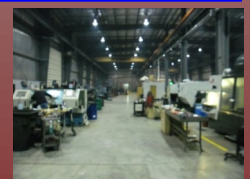
TRAK CNC Lathe
30"s x 68" c



BLANCHARD Grinder #18-30
ROTARY SURFACE GRINDER
36" Swing

Additional Shop Capabilities:

- 40,000 sq ft Facility
- 2-25 ton Overhead Cranes
- Welding-Mig, Tig, Stick 



6550 Revlon Dr., Belvidere IL., 61008 ♦ (815) 547-3725 ♦ www.orbitaltool.com

Our Business Revolves Around You