

FACILITIES LISTING



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Ross Valve is internationally renowned for producing exceptional quality valves for municipal drinking water systems and harsh industrial environments. Our completely captive in-house production facility has been operating and continually improving for over 125 years. In 1999, we added ISO9001 certification to our list of accolades and in 2004 we expanded our operations with a second facility.

Our diverse assortment of equipment allows us to produce your parts in the most economical way possible. Please review our following capabilities and let us know how we can assist you with your next project.

MACHINING CAPABILITIES

CNC HORIZONTAL MACHINING CENTERS	Kerney & Trecker Orion 2300 60" x 60" x 60" Cube Twin Pallets 49.2" x 49.2"	Niigata – HN 63B 39" x 33" x 27" Cube Twin Pallets 24" x 24"	Toyoda – FH55 26" x 28" x 29" Cube Twin Pallets 20" x 20"
	Monarch VMC 150RT 60" x 60" x 60" Cube 60" Rotary Table	Bridgeport Trak II Digital Readout 42" x 9"	Bridgeport Series 1 Anilam 1100 Control 10" x 14"
CNC VERTICAL MACHINING CENTERS	Cincinnati Milicron (2) 36" x 24" x 17" Cube	SuperMax Trak CNC 2 9" x 42" x 15" Cube	Victor 8027 Digital Readout 10" x 50" Table
	Dianichi Flashturn F35 3.54" Bar Capacity 15" Chuck 21.7" x 49.2"	Hitachi Seiki HTII-20 2" Bar Feeder Capacity 8" Chuck 18" x 14"	Hitachi Seiki 3NE (2) 1" Bar Feeder Capacity 8" Chuck 17.7" x 12"
CNC TURNING CENTERS	Hwacheon Eco-1, RL-1 (2) 1" Bar Feeder Capacity 8" Chuck 12.6" x 3.9"	Mori Seiki ZL-35A (2) 4 Axis 2.75" Bar Capacity 15" Chuck 15.3" x 32.9"	Nakamura TMC3 (2) 1.5" Bar Capacity 8" Chuck 22" x 32"
	Takisawa TS-25 Full C-Axis, Live Tooling 2" Bar Capacity 10" Chuck 21.2" x 43.3"	Takisawa TC-2 2" Bar Capacity 8" Chuck x 11.8"	Wasino LG-6 ¾" Bar Capacity 5" Chuck – Gang Tooling Live Tooling
	Cincinnati G&L Dual Column VTL 64" Swing 54" Chuck (46" under rail)	Bullard Cutmaster (2) 36" Chucks (1) 4 Jaw, (1) 3 Jaw	Leblond Regal (7) Engine Lathes 20" Swing x 60" Long
CONVENTIONAL TURNING CENTERS	Regal Engine Lathe 6" Chuck 9" x 28"	Bullard Cutmaster (2) 24" Chuck 3 Jaw	Warner & Swasey M-1420 #4 Turret Lathe
	Ajax Radial Drill (2) 15" Column 5' Arm	Hyd Mech Saw Horizontal Fully Automatic 12" x 12" Capacity	Do-All Saw (2) Horizontal (C-216) Vertical (V Saw)
DRILLING & SAWING	Clausing Gang 4 Spindle, 3-1/4" Column 24" x 80" Table 1 Head with Power Feed	Drill Press KBC S600B Power Feed, Single Spindle 5" Column, ½" Chuck	Delta Drill Press 1 HP, Single Spindle 3-1/4" Column, ½" Chuck
	Pexto Hand Shear 241G 6", 12 ga Capacity	Willis KM-20 Drill Press 3-3/4" Column, ½" Chuck 15" x 18" Table	Drill Press Central Machinery T-149 5/8" Chuck, 14" x 16" Table

DESIGN / ENGINEERING SUPPORT

Computer Aided Design

2D Drawings
3D Solid Modeling
Engineered Vault "As-Built" Drawings

Simulation Software

Finite Element Analysis (FEA)
Computational Fluid Dynamic Modeling
Surge Analysis Modeling

FOUNDRY CAPABILITIES

Grey Iron

ASTM A-126, Class B
31,000 Minimal Tensile
Pouring Capacity – 7,500 Lbs.

Non Ferrous

Typical Metals Poured – Brass ASTM B62
Pouring Capacity – 1,200 Lbs.

In-House Pattern Shop

Fully Equipped

Tensile Tester

Satec Systems 120HV
0 – 120,000 Lbs.

**IN-HOUSE
MOLDING
DEPARTMENT**

Mixers (No-Bake Continuous)

Castec CE, 500 lb/min
Karver, 300 lb/min
Sandmaster, 60 lb/min

Green Sand

BMM Jolt Squeezers (3)
B&P 3A Sand Mullor

Core Machine

Dependable

Sand Reclaimer

National, 2 Cell Pneumatic

**PROCESSING
EQUIPMENT**

Saw

14" Tabor Cut-Off

Pedestal Grinders (8)

6" to 16" Wheels
Grinding, Diamond, and Wire Wheels

Belt Sander

Stephen Bader, Space Saver

Wheelabrator

American, 48" Table Blast

Combo Belt Sander

Atlas
4" x 30" Belt, 9" Disc

Dry Blast Cabinet

Trinco FL
36" x 30"

OTHER SERVICES

Samco Hydraulic Press

60 Ton
22" x 65" Bed

Welding

Miller MP-45E

NYC-Approved Hydrant Parts

Custom & Standard Parts
available for all Municipalities

Warehousing

120,000+ Sq. Ft.
Lease-to-Suit

Rapid Prototype Capabilities

Assembly & Packaging



**PLEASE CONTACT US FOR MORE INFORMATION
OR TO DISCUSS YOUR NEXT PROJECT.**

