

# **JET MACHINE WORKS, INC.**

## **Equipment List (07/09)**

### **CNC Vertical Boring Mills**

- I. Scheiss 10' Vertical Boring Mill – Capable of 153" diameter and height of 103.5" under the rail. AUTOCON Dynapath 40 T controls.
- II. Bullard 108" Vertical Boring Mill – Twin rams with 108" under the rail. Fanuc 16TT controls.
- III. Bullard 86" Dynatrol Vertical Boring Mill – Twin rams. Fagor controls.
- IV. Scheiss 63" Vertical Boring Mill – Capable of 75" diameter and height of 55" under the rail. AUTOCON Dynapath 40 T controls.
- V. Bullard 62" Dyn-Au-Tape equipped with 12 position tool changer and AUTOCON Dynapath controls.
- VI. 54" Giddings & Lewis with 12 position tool changer and Fanuc Oi-TC controls.
- VII. Scheiss 49.2" Vertical Boring Mill – Capable of 63" diameter and height of 62" under the rail. AUTOCON Dynapath 40 T Controls.
- VIII. Giddings & Lewis 48" Vertical Boring Mill. Fanuc Oi-TC controls.
- IX. Bullard 36" Vertical Boring Mill with 16 position tool changer and Fanuc 15T controls.

### **CNC Vertical Turret Lathes**

- I. Giddings & Lewis 60" Vertical Turret Lathe with Fanuc 18i-TT controls and side head.
- II. 56" Bullard Dyn-Au-Tape – 56" vertical height. Equipped with AUTOCON Dynapath 4-Axis controls. This machine has a side head with its own control.
- III. W/S Gray 48" Vertical Turret Lathe with Fanuc controls.
- IV. 46" Bullard Dyn-Au-Tape equipped with AUTOCON Dynapath Controls.

### **CNC Engine Lathes**

- I. American 6040 CNC lathe. 50" diameter chuck, 60" swing over the ways, 40" swing over the cross-slide 20' between centers. Fanuc 16T controls.
- II. American 5035 CNC lathe. 50" swing over the ways, 35" swing over the cross-slide 108" between centers. Fagor 8040 controls.

### **CNC Machining Centers**

- I. Orion 1250 Machining Center. 2 pallet system. Giddings & Lewis 8000 controls.
- II. Toyota FH-80 Horizontal Machining Center with 2 pallet shuttle system and 128 position tool changer. Fanuc 15-M controls.
- III. Johnford VMC-1600HD Vertical Machining Center. 63" x 31.5" x 28" travels, 6,000 rpm spindle, 50 Taper machine with 1000 psi coolant through spindle.

### **CNC Double Column Machine Centers**

- I. Mitsubishi VS25A 99 x 157 with 72" vertical. Table load 44000 lbs. Fanuc controls.
- II. Johnford DMC-2100SH Double Column Machining Center. 82.7" x 70" x 31.5" travels, 6,000 rpm spindle, 50 Taper machine with 1000 psi coolant through spindle. Table load capacity 22,000 lbs.
- III. Johnford DMC-2100 Double Column Machining Center. 80.7" x 44" x 31.5" travels. Fanuc 18M controls.

### **CNC Horizontal Boring Mills**

- I. Giddings & Lewis 5" spindle equipped with Fanuc 6M controls. 72" height with 120" cross travel.
- II. Giddings & Lewis Fraser 5" spindle. AUTOCON Dynapath controls.
- III. Lucas 5" spindle 72" vertical height with 120" cross travel. AUTOCON Dynapath 40 controls.
- IV. Lucas 5" spindle 6-axis horizontal boring mill. Fanuc 16 i-M controls.
- V. Lucas 4" spindle 5-axis horizontal boring mill. Fanuc 16 i-M controls.
- VI. Cincinnati Gilbert 5.12 spindle horizontal floor bar. Fanuc 18-M controls.

### **Vertical Boring Mills**

- I. 12' Giddings & Lewis Hypro with 90" vertical height under the rail.
- II. 84" King Vertical Boring Mill. 96" under the tool post. Equipped with tracer attachment.
- III. 84" Cincinnati Hypro Vertical Boring Mill with 72" under the tool post, variable RPM rates, twin rams and side head. Used mainly for finished work, holding close tolerances and good surface quality.
- IV. 72" King High Column with ram and turret.
- V. 64" Bullard Cutmaster with ram and turret.

## **Vertical Turret Lathes**

- I. One (1) Standard Size 54" Bullard
- II. 42" Bullard "Cutmaster"
- III. 42" King Vertical Turret Lathe
- IV. Two (2) 36" Bullard Vertical Turret Lathes

## **Turret Lathes**

- I. 5L Gisholt Extended Bed Model with cross sliding turret, tracer and full length lead screw.

## **Lathes**

- I. 68" x 288" LeBlond Engine Lathe Scan-O-Matic Tracer, 240" between centers.
- II. 48" Monarch 120" between centers. Movable hydraulic tracer. Traces all types of radii and contours, complete threading.
- III. 36" Monarch "T" Lathe.
- IV. 26" Lodge & Shipley, 9.5" hollow spindle with 96" between centers.
- V. 20" x 96" Axelson Engine Lathe equipped with taper attachment.
- VI. Graziano SAG 22

## **Floor Mills**

- I. 8" Giddings & Lewis Floor Mill – 144" vertical travel with 144" cross travel. This machine is equipped with digital readouts, (96" x 144") gear driven rotary table, 48" facing head, 90 deg mill-attachment, also equipped with tail stock for line boring.
- II. Lucas 7" Floor Mill – 96" vertical height, 25' cross travel. This machine is equipped with digital readouts and (96" x 96") gear driven rotary table.
- III. 6" Giddings & Lewis Floor Mill – 86" vertical travel with 144" cross travel. This floor mill is complimented with powered rotary tables and digital readouts.

## **Horizontal Mills**

- I. 4" Giddings & Lewis Horizontal Boring Mill.
- II. Four (4) 3" Giddings & Lewis Horizontal Boring Mills equipped with digital readouts.

## **Mills**

- I. Two (2) Bridgeport Mills.
- II. Bridgeport Series II Mill.

## **Drill Press**

- I. Two (2) Cincinnati Bickford 7' Radial Arm Drill Presses.

## **Saws**

- I. Marvel #8 Saw
- II. TF24RS DoAll Saw
- III. TF24SA DoAll Saw

## **Cranes & Forklifts**

- I. One (1) 5-Ton Bridge Crane
- II. One (1) 10-Ton Bridge Crane
- III. Three (3) 15-Ton Bridge Cranes
- IV. Two (2) 20-Ton Bridge Cranes
- V. Two (2) 2-Ton JIB Cranes
- VI. Two (2) .5-Ton JIB Cranes
- VII. Two (2) 8,000-lb. forklifts
- VIII. One (1) 6,000-lb. forklift
- IX. One (1) 30,000-lb. forklift

## **Inspection**

Complete O.D. mikes to 96". I.D. mikes to 132". PI Tapes to 144", vernier calipers to 80" and depth mikes. Jet uses the base of a milling machine as an inspection table. This 3' x 12' table is excellent as a layout or inspection table for large items.

## **Contact Information**

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