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TOOL & MANUFACTURING
 1983 40TH ANNIVERSARY 2023

EQUIPMENT & FACILITIES

CNC TURNING CENTERS:

(1) Takisawa TS-4000YS

- Diameter Thru Spindle:
3.23" Max. Bar Work Capacity
- Max. Turning Diameter:
14.57" (11.02" Standard)
- Max. Turning Length: 29.53"
- 10" Main Spindle + 6" Sub
Spindle x Y Axis
- 12-Station Milling Turret
- High Rigid Box Type Guide Way

(1) Takisawa TCN-2100G L3

- Diameter Thru Spindle: 2"
- Max. Turning Diameter: 11.81"
- Box Guide Way X Z

(3) Takisawa TCN-2600 L6

- Diameter Thru Spindle: 2.9"
- Max. Turning Diameter: 16"
- Box Guide Way X Z

(1) Takisawa TM-4000Y2

- Diameter Thru Spindle: 3.7"
(3.23" Max. Bar Capacity)
- Max. Turning Diameter: 10"
- 12-Station Milling Turret,
Upper & Lower
- High Rigid Box Type Guide Way
- LNS Sprint S3 Barfeeder

(2) Takisawa TC-203J &

(2) Takisawa TC-203JG

- Diameter Thru Spindle: 2"
- Max. Turning Diameter: 11.81"
- Box Guide Way X Z

(1) Citizen Cincom L32 VIII Swiss

- Max. Turning Diameter: 1-1/4"
- Low Frequency Vibration
- Cincom Magazine Barloader

(1) Citizen Cincom A32 VIII PL Swiss

- Max. Turning Diameter: 1-1/4"
- C332 Barloader

(1) Citizen Cincom L38 VIII Swiss

- Max. Turning Diameter: 1-1/2"
- JBS 38mm Collet System
- Edge Patriot 3-38 Barloader

(1) Citizen Cincom Miyano MIY-BNX-51MSY

- Diameter Thru Spindle: 2"
- Max. Turning Diameter: 6"

(1) Ameraseiki Seiki TC-2

- Diameter Thru Spindle: 2"
- Max. Turning Diameter: 13"
- Programmable Tail Stock

(1) Mazak Quick Turn 250 HP

- Diameter Thru Spindle: 3.15"
- Max. Turning Diameter: 10"
- Max. Swing: 17.3"
- Max. Bar Diameter: 2-3/4"
(3" w/ Bore Chuck)

(1) Hyundai 2 Axis L280

- Max. Turning Diameter: 16.14"
- Maximum Thru Spindle: 3"

CNC MILLING CENTERS:

(4) Mazak 410A Nexus

- 4th Axis Head Index
- Axis Travel:
X = 30" Y = 16" Z = 20"
- SMW 175 4th Axis Rotary Head

(3) Brother TC-S2D

- 4th Axis Head Index
- Axis Travel:
X = 19.7" Y = 15.7" Z = 11.8"
- Independent Full 4th Axis
Rotary Head

(1) Brother TC-S2D

- Axis Travel:
X = 19.7" Y = 15.7" Z = 11.8"

(1) Brother S700X1

- Axis Travel:
X = 27.5" Y = 15.75" Z = 11.8"

(1) Brother S500X1

- 4th Axis Head Index
- Axis Travel:
X = 19.68" Y = 15.75" Z = 11.8"

(1) Mazak 640M VTC160B

- Axis Travel:
X = 44" Y = 16" Z = 22"

(1) Hyundai-Kia VX500 Vertical

- 4th Axis Head Index
- Axis Travel:
X = 40" Y = 20" Z = 20"

(1) Fadal VMC 2216FX

- 4th Axis Head Index
- Axis Travel:
X = 30" Y = 16" Z = 20"
- 8,000 RPM 22 HP

(1) Kent KVR-2418

- Axis Travel:
X = 24.01" Y = 18.11" Z = 18.89"
- Spindle Taper

(4) Kitamura 3XD

- 12000 RPM Spindle Speed
- Axis Travel:
X = 30" Y = 30" Z = 20"

OTHER TECHNOLOGY

ROBOTICS:

(4) Motoman NX100 Robots

- (1) Universal Robot, UR10E cobot
- (1) Universal Robot, UR20 cobot

CUSTOMIZED AUTOMATION:

- (2) Multispindle Torque Machine
- (2) Multispindle Drill &
Tap with Autoload

(1) Autoload Sorting/ Weighing Machine with Auto Paint Marker

(1) Autoload Laser Checker For Lathes

WIRE EDM:

(1) Sodick VN600Q (LN3W) Wire EDM

- X, Y, Z Axis Travels
(600 x 400 x 310 mm)

SAWING EQUIPMENT:

(2) Hy-Mech H12 Band Saw

- Capacity: 12" x 12" / 12" Round

METROLOGY:

(1) Mitutoyo PH-3115 Optical Comparator

(1) Hexagon Global S Green 7.10.7 DCC CMM

(1) Mitutoyo B-231 Manual CMM

LASER ETCHING:

(1) Zetalase XL SE20 Laser Marking System