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## EQUIPMENT LIST

# KURAKI KBT-11Z CNC HORIZONTAL BORING MILL

- 4.33" Spindle diameter
- 30 HP Spindle motor
- Table size 55" x 69"
- Machine travels:
  - X axis = 98.42"
  - Y axis = 70.86"
  - Z axis = 47.24"
  - B axis = 19.69"
- Max table load = 16500 lbs
- 3000 max RPM
- Controlled axis-5(X,Y,Z,W,B)
- 4 axes simultaneously controlled



# KURAKI KBM-11X CNC HORIZONTAL BORING MILL



- 4.33" Spindle diameter
- 30 HP spindle motor
- Table size = 38" x 41"
- Max table load = 6600 lbs
- Cat 50 tooling
- 3000 max RPM
- Controlled axes-5  
(X,Y,Z,W,B)
- 4 axes simultaneously  
controlled

# ACCESSORIES FOR KURAKI HBM

- Cogsdill ZX200-CON facing and contouring head
- Fully CNC controlled
- Used for facing, boring, grooving of internal bores and pockets as well as R, RX, and BX Ring grooves on faces
- Tecnara right angle head attachment
  - 22.50” reach to center of spindle on head
  - Min bore is 8.59” dia.



# O-M NEO 16

- 63" diameter table
- 50 HP main motor
- Max turning dia. = 78-3/4"
- Max turning height = 59"
- Max table load = 19,600 lbs
- Full CNC controls



# YAMA SEIKI VBM-1600



- 4 axis vertical machining center
- Table size = 71" x 31.5"
- X axis travel = 63"
- Y axis travel = 31.50"
- Z axis travel = 31.50"
- Spindle – Cat. 50
- 6000 max RPM
- Max table load = 3300 lbs



# LANCER 1000 CINCINNATI MILACRON

- 4 axis vertical machining center
- Table size 50" x 30"
- X axis travel = 40"
- Y axis travel = 31.50"
- Z axis travel = 30"
- Spindle – Cat. 50
- 6000 max RPM
- Max table load = 4400 lbs



# YCM-40 SUPERMAX



- 3 axis vertical knee mill with a Centroid M-15 control
- Table size = 49" x 9"
- X axis travel = 28"
- Y axis travel = 14.50"
- Z axis travel = 5"
- Spindle 40 tape NMTB
- 4200 max RPM
- Max table load = 200 lbs



# PUMA 800L CNC LATHE

- Max swing over bed = 40.50"
- Max turn dia. = 35.40"
- 32" dia. 4-jaw chuck
- 25" dia. 3-jaw chuck
- Max turn length = 126"
- Steady rest
- 12.50" spindle hole



# HANKOOK PROTEC 9NB X 3000 CNC LATHE



- Max swing over bed = 37.40"
- Swing over carriage = 24.80"
- Distance between centers = 118"
- 32" 4-jaw chuck
- 28" 3-jaw chuck
- Steady rests to 25.50" OD
- 6.9" spindle hole

# FORTUNE V46

- 2 axis CNC turning center
- 21" hydraulic chuck
- Max turning dia. = 28.74"
- Swing over carriage = 20.47"
- 69" center



# YAMA SEIKI GS-460

- Bar capacity = 8.07"
- Max turning dia. = 24.01" x 37.40" and max load = 1,870 lbs.
- 50 HP motor
- Max swing dia. = 29.13"
- 25" 3-jaw chuck and 25" 4-jaw chuck
- Steady rest has a capacity of 3.40" thru 18-1/2"



# YAMA SEIKI GS-400



- 2 axis CNC turning center
- 18" hydraulic chuck
- Max swing = 29.13" dia.
- Max turning length = 37.40"
- Max turning dia. = 24.01"

# PUMA 12LC DAEWOO



- 2 axis CNC turning center
- 15" hydraulic chuck
- 22.40" dia. max swing over bead
- 19" max turning dia.
- 4.62" dia. hole thru spindle
- 40.20" max turning length
- 9" max capacity steady rest



# FALCON 300-1500 CINCINNATI MILACRON

- 2 axis CNC turning center
- 12" hydraulic chuck
- 25.59" max swing over bed
- 18.80" max turning dia.
- 3.25" dia. hole thru spindle
- 59" max turning length



# TAKISAWA



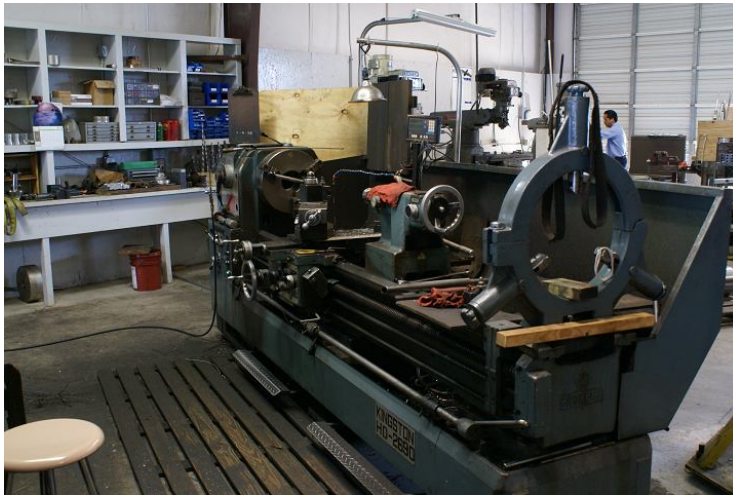
- Max swing over bed = 19.80"
- Max turn = 11.80" dia.
- 12" hydraulic chuck
- 3200 max RPM
- 3.07" spindle hole
- Max turn length = 24"

# MAZAK 34" X 100" MANUAL LATHE

- 34" swing over ways
- 46" swing in gap
- 25" swing over cross slide
- 100" max distance between centers
- 18" 3-jaw chuck
- 24" & 32" 4-jaw chuck
- 26" face plate
- Steady rests to 25-3/16" capacity
- 4-1/8" dia. hole thru spindle



# KINGSTON 26" X 90" MANUAL LATHE



- 26" swing over ways
- 35" swing in gap
- 12-1/2" swing over cross slide
- 90" max distance between centers
- 15", 24", 32" 4-jaw chuck
- 18" 3-jaw chuck
- Steady rest to 15" capacity
- 4-1/16" dia. hole thru spindle

# MAZAK 21" X 36" MANUAL LATHE

- 21" swing over ways
- 12-1/4" swing over cross slide
- 102" max distance between centers
- 12" 3-jaw chuck
- 18" 4-jaw chuck
- 12-1/4" steady rest
- 3-1/16" dia.. hole thru spindle



# VERTICAL MILLS-MANUAL

- **Kingston Model KMT-4V**
  - With Newall digital readout, 3 HP motor, power feeds in X & Y axis, table 50" x 10"x, travel 36" x 16"
- **Bridgeport Series I**
  - With Accu-Rite II digital readout, 2 HP motor, longitudinal power feed, table length 42", longitudinal travel (X-axis) 30", saddle travel (Y-axis) 12", knee travel (Z-axis) 16"
- **Kondia FV1**
  - With Teledyne digital readout, 2 HP motor, longitudinal power fee, 7" riser block, table length 48"



# SAWS

- **Hem Saw Model 90A**
  - Capacity 12.75" x 12.75",
  - 3 HP motor
  - 1" blade
  - Fully automatic operational
  - 0"-24" stroke bar feed
- **Marvel Model 8 Vertical Band Saw**
  - Capacity 28" x 20"
  - Tilting head to 45 degrees

# MATERIAL HANDLING EQUIPMENT

- **Hyster LP Forklift**
  - 12,000 lb capacity
- **Toyota LP Forklift**
  - 5,000 lb capacity
- **Bridge Crane**
  - 20,000 lb capacity
- **Jib Crane-Coffing Electric Hoist (3)**
  - 4,000 lb capacity
- **Jib Crane – Coffing Hoist (2)**
  - 2,000 lb capacity