

EQUIPMENT LIST

CNC Lathes

- **OKUMA LU45 II CNC TURNING LATHE (new)**
 - *23.00" diameter air chuck front & rear, 118.00" length w/ tailstock & steady rest, 10.23" diameter spindle bore.*
 - *25.98" max. turning diameter, 35.43" max. swing over bed, 21.60" max. swing over carriage.*
 - *Steady rest range 1.77" to 12.20". Larger manual steady rest on order.*
- **OKUMA LB45 III CNC TURNING LATHE (new)**
 - *24.00" diameter hydraulic chuck, 118.00" length w/ tailstock & steady rest, 10.23" diameter spindle bore.*
 - *25.96" max. turning diameter, 33.00" max. swing over bed, 21.85" max. swing over carriage.*
 - *Steady rest range 3.35" to 13.78".*
- **MAZAK POWERMASTER PM-U CNC TURNING LATHE (#23)**
 - *28.00" diameter 4-jaw manual chuck front & rear, 103" length w/ tailstock, twin turret, 10.25" diameter spindle bore.*
 - *31.00" max. turning diameter, 35.50" max. swing over bed, 31.49" max. swing over cross slide.*
- **DOOSAN PUMA 700 CNC TURNING LATHE (#20)**
 - *24.00" diameter hydraulic chuck, 63" length w/ tailstock, 6.45" diameter spindle bore.*
 - *35.43" max. turning diameter, 40.55" max. swing over bed, 31.49" max. swing over carriage.*
- **DOOSAN PUMA 700LM(B) CNC TURNING LATHE (x2) (#27 & #36)**
 - *20.00" diameter hydraulic chuck, 126" length w/ tailstock & steady rest, 6.45" diameter spindle bore. Live milling attachments on turret.*
 - *35.43" max. turning diameter, 40.55" max. swing over bed, 31.49" max. swing over carriage.*
 - *Steady rest range 1.968" to 12.20".*
- **DOOSAN PUMA 480L CNC TURNING LATHE (#8)**
 - *20.00" diameter hydraulic chuck, 80" length w/ tailstock & steady rest, 6.50" diameter spindle bore.*
 - *25.59" max. turning diameter, 35.43" max. swing over bed, 28.34" max. swing over carriage.*
 - *Steady rest range 1.968" to 12.20".*

- **DAEWOO PUMA 450B CNC TURNING LATHE (#25)**
 - *21.00" diameter hydraulic chuck, 62" length w/ tailstock & steady rest, 5.39" diameter spindle bore.*
 - *27.56" max. turning diameter, 35.43" max. swing over bed, 24.80" max. swing over carriage.*
 - *Steady rest range 1.968" to 12.20".*
- **DOOSAN PUMA 500 CNC TURNING LATHE (x2) (#29 & #33)**
 - *18.00" diameter hydraulic chuck, 62" length w/ tailstock & steady rest, 5.39" diameter spindle bore.*
 - *27.56" max. turning diameter, 35.43" max. swing over bed, 24.80" max. swing over carriage.*
 - *Steady rest range 1.771" to 12.20".*
- **DAEWOO PUMA 15 CNC TURNING LATHE (#15)**
 - *18.00" diameter hydraulic chuck, 62" length w/ tailstock & steady rest, 4.63" diameter spindle bore.*
 - *26.00" max. turning diameter, 31.10" max. swing over bed, 21.00" max. swing over carriage.*
 - *Steady rest range 1.181" to 9.645".*
- **DAEWOO PUMA 15 CNC TURNING LATHE (#16)**
 - *18.00" diameter hydraulic chuck, 62" length w/ tailstock, 4.63" diameter spindle bore.*
 - *26.00" max. turning diameter, 31.10" max. swing over bed, 21.00" max. swing over carriage.*
- **DOOSAN PUMA 500 CNC TURNING LATHE (#32)**
 - *18.00" diameter hydraulic chuck, 62" length w/ tailstock, 4.63" diameter spindle bore.*
 - *27.56" max. turning diameter, 35.43" max. swing over bed, 24.80" max. swing over carriage.*
- **DOOSAN PUMA 400LMB CNC TURNING LATHE (x2) (#28 & #31)**
 - *15.00" diameter hydraulic chuck, 81" length w/ tailstock & steady rest, 4.63" diameter spindle bore. Live milling attachments on turret.*
 - *22.00" max. turning diameter, 30.30" max. swing over bed, 23.23" max. swing over carriage.*
 - *Steady rest range 1.181" to 8.66".*

- **DOOSAN PUMA 400LB CNC TURNING LATHE (#26)**
 - *15.00" diameter hydraulic chuck, 81" length w/ tailstock & steady rest, 4.63" diameter spindle bore.*
 - *21.65" max. turning diameter, 27.56" max. swing over bed, 23.23" max. swing over carriage.*
 - *Steady rest range 1.181" to 9.645".*
- **DOOSAN PUMA 400B CNC TURNING LATHE (#7)**
 - *15.00" diameter hydraulic chuck, 41" length w/ tailstock, 4.63" diameter spindle bore.*
 - *21.65" max. turning diameter, 27.56" max. swing over bed, 18.90" max. swing over carriage.*
- **DOOSAN PUMA 400B CNC TURNING LATHE (x2) (#24 & #30)**
 - *15.00" diameter hydraulic chuck, 41" length w/ tailstock, 4.63" diameter spindle bore.*
 - *21.65" max. turning diameter, 27.56" max. swing over bed, 23.23" max. swing over carriage.*
- **DAEWOO PUMA 250L/C CNC TURNING LATHE (#6)**
 - *12.00" diameter hydraulic chuck, 51" length w/ tailstock, 3.00" diameter spindle bore.*
 - *15.75" max. turning diameter, 22.44" max. swing over bed, 14.57" max. swing over carriage.*

CNC Mills

- **OKUMA MB-8000H CNC HORIZONTAL MACHINING CENTER (new)**
 - *Twin pallet machine w/ 31.50" x 31.50" tables, .001 degree rotary indexing.*
 - *Max. weight capacity 4,400lb, max. work piece 57.08" x 57.08".*
 - *Axis travel: X=51.18", Y=43.30", Z=49.21".*
 - *90 degree rotary 4th axis.*
 - *High pressure thru' spindle coolant.*
- **DOOSAN ACE-H80 CNC HORIZONTAL MACHINING CENTER (#17)**
 - *Twin pallet machine w/ 31.50" x 31.50" tables, .001 degree rotary indexing.*
 - *Max. weight capacity 4,400lb.*
 - *Axis travel: X=49.20", Y=39.40", Z=39.40".*
 - *High pressure thru' spindle coolant.*
- **OKUMA MILLAC 1052V CNC VERTICAL MACHINING CENTER (#35)**
 - *86.61" x 41.34" table.*
 - *Max. weight capacity 11,000lb.*
 - *Axis travel: X=80.71", Y=41.73", Z=31.50".*
 - *90 degree rotary 4th & 5th axis.*
 - *High pressure thru' spindle coolant.*
- **OKUMA & HOWA 852V CNC VERTICAL MACHINING CENTER (#5)**
 - *86.61" x 33.46" table.*
 - *Max. weight capacity 5,500lb.*
 - *Axis travel: X=80.71", Y=33.46", Z=29.53".*
 - *90 degree rotary 4th axis.*
- **OKUMA MILLAC 852V CNC VERTICAL MACHINING CENTER (x2) (#34 & new)**
 - *86.61" x 33.46" table.*
 - *Max. weight capacity 5,500lb.*
 - *Axis travel: X=80.71", Y=33.46", Z=29.53".*
 - *90 degree rotary 4th axis.*
 - *High pressure thru' spindle coolant (new).*
- **OKUMA MB-66VB CNC VERTICAL MACHINING CENTER (new)**
 - *60.20" x 25.98" table.*
 - *Max. weight capacity 3,300lb.*
 - *Axis travel: X=59.06", Y=25.98", Z=25.98".*
 - *90 degree rotary 4th axis.*
 - *High pressure thru' spindle coolant (new).*
- **MAZAK VTC-20C CNC VERTICAL MACHINING CENTER (#22)**
 - *78.74" x 20.08" table.*
 - *Max. weight capacity 1,764lb.*
 - *Axis travel: X=65.35", Y=16.10", Z=20.10".*
 - *90 degree rotary 4th axis.*