

EQUIPMENT LIST

24 x Horizontal CNC Lathes

- **DOOSAN PUMA 800 XLM CNC TURNING LATHE (801)**
 - *31.5" Manual 4 jaw chuck, 198.8" length w/ tailstock & steady rest, 12.25" 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 31".*
- **DOOSAN PUMA 800 M CNC TURNING LATHE (802)**
 - *31.5" Manual 4 jaw chuck, 64" length w/ tailstock & steady rest, 12.25" diameter spindle bore.*
 - *35.43" max. turning diameter, 40.55" max. swing over bed, 31.49" max. swing over carriage.*
 - *Steady rest range 1.968" to 31".*
- **OKUMA LU45 III CNC TURNING LATHE (706)**
 - *28" Manual 4 jaw chuck front & 24" rear air check, 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".*
- **OKUMA LB45 II CNC TURNING LATHE (705)**
 - *24.00" diameter hydraulic chuck, 118.00" length w/ tailstock & steady rest, 6.23" 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". Manual steady rest 18.00" to 25.00".*
- **MAZAK POWERMASTER PM-U CNC TURNING LATHE (703)**
 - *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, 22.00" max. swing over cross slide.*

- **DOOSAN PUMA 700 CNC TURNING LATHE (704)**
 - *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) (701&702)**
 - *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 (503)**
 - *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 (505)**
 - *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) (501&506)**
 - *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 (502)**
 - *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 (504)**
 - *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 (507)**
 - *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 400LMC CNC TURNING LATHE (x2) (407&408)**
 - *21.00" diameter hydraulic chuck, 79" length w/ tailstock & steady rest, 6.50" 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 1.378" to 9.645".*
- **DOOSAN PUMA 400LMB CNC TURNING LATHE (x2) (401&402)**
 - *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 (403)**
 - *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 (404)**
 - *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) (405&406)**
 - *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 (300)**
 - *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.*

9 x CNC Machining Centers

- **DOOSAN NHM-1000 CNC HORIZONTAL MACHINING CENTER (204)**
 - *Twin pallet machine w/ 39.50" x 39.50" tables, .001 degree rotary indexing.*
 - *Max. weight capacity 5,500lb,*
 - *Axis travel: X=82.80", Y=49.20", Z=49.20".*
 - *Equipped with rotary 5th axis.*
 - *High pressure thru' spindle coolant.*
- **OKUMA MB-8000H CNC HORIZONTAL MACHINING CENTER (202)**
 - *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 NHM-8000 CNC HORIZONTAL MACHINING CENTER (x2) (201&203)**
 - *Twin pallet machine w/ 31.50" x 31.50" tables, .001 degree rotary indexing.*
 - *Max. weight capacity 4,400lb.*
 - *Axis travel: X=55.10", Y=41.30", Z=47.20".*
 - *1 equipped with rotary 5th axis.*
 - *High pressure thru' spindle coolant.*
- **OKUMA MILLAC 1052V CNC VERTICAL MACHINING CENTER (104)**
 - *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 (105)**
 - *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) (103&106)**
 - *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 (102)**
 - *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).*