



AnSCO Equipment List

CNC Turning

Hankook VTC 200E: Vertical Boring Mill with live milling
100" Ø Swing x 60" high; 24 tool ATC

Hankook VTC 160E: Vertical Boring Mill with live milling
80" Ø Swing x 54" high; 24 tool ATC

Hankook VTC 140: Vertical Boring Mill with live milling
63" Ø Swing x 36" high; 24 tool ATC

Hankook VTB 140: Vertical Boring Mill
63" Ø Swing x 36" high

Doosan/Daewoo Puma 700 Lathe:
32" Ø Swing x 63"

Doosan/Daewoo Puma 400 Lathe:
22" Ø Swing x 38"
Two turning center work-cell

Doosan/Daewoo 12LB Lathe:
20" Ø Swing x 42"

Hankook 7NB Lathe:
24"/19" Ø Swing x 112"
Equipped with steady-rests and 24" 4-jaw chuck and 18" 3-jaw chuck

Doosan/Daewoo Puma 300B Lathe:
16" Ø Swing x 25"
a two turning center work-cell

Doosan Puma TT 2500SY Lathe:

13"Ø Swing x 20"

Twin spindles, twin turrets with live tooling, 10" chuck, 3" diameter bar feeder and parts catcher

Doosan/Daewoo Puma 240C Lathe:

10"Ø Swing x 17"

3" diameter bar feeder and parts catcher

Doosan/Daewoo Puma 200C Lathe:

10"Ø Swing x 17"

Two turning center work-cell

Doosan QL30H Lathe:

10"Ø Swing x 12"

Twin spindles and robotic gantry loading

CNC Horizontal Machining Centers

Makino A-92 HMC: with 92 station CAT-50 ATC; pallet changer; 10,000 RPM spindle; full 4th axis; part probing.

Travel

X, 60" (1520 mm)

Y, 50" (1250 mm)

Z, 53" (1350 mm)

Makino A-82M HMC: with a 60 ATC; pallet changer; high-torque CAT-50 spindle; full 4th axis; part probing.

Travel

X, 43" (1100 mm)

Y, 33" (840 mm)

Z, 40" (1020 mm)

Makino A-82 HMC: with a 60 ATC; pallet changer; 10,000 RPM CAT-50 spindle; full 4th axis; part probing.

Travel

X, 43" (1100 mm)

Y, 33" (840 mm)

Z, 40" (1020 mm)

Makino A-81 HMC: with a 60 station ATC; pallet changer; 10,000 RPM CAT-50 spindle; full 4th axis; part probing.

Travel

X, 35" (900 mm)

Y, 33" (840 mm)

Z, 40" (1020 mm)

Makino A-51 HMC: with a 60 station ATC; pallet changer; 14,000 RPM CAT-40 spindle; full 4th axis; part probing.

Travel

X 22" (560 mm)

Y 22" (560 mm)

Z 23" (600 mm)

CNC Vertical Machining Centers

Toyoda BM 1600 VMC: with a 30 station ATC

Travel

X, 26" (660 mm)

Y, 52" (1320 mm)

Z, 26" (660 mm)

Daewoo DMV-500 VMC: with a 30 station ATC

Travel

X, 20" (500 mm)

Y, 40" (1020 mm)

Z, 20" (500 mm)

Daewoo ACE V65 VMC: with a 32 station ATC

Travel

X, 26" (660 mm)

Y, 52" (1320 mm)

Z, 26" (660 mm)

Hurco VM2 VMC: with a 20 station ATC

Travel

X, 18" (460 mm)

Y, 32" (810 mm)

Z, 18" (460 mm)

Brother TC324 Drill and Tap Center: with a 12 station ATC and pallet changer

Travel

X, 16" (410 mm)

Y, 24" (610 mm)

Z, 12" (300 mm)

Quality

Mitutoyo Bright Apex 710 Coordinate Measuring Machine (CMM): 28" x 40" x 24" With motorized head. Fully programmable from solid models.

Romer Arm: a portable CMM with 9 foot reach. Works with solid models and provides automated data collection.

Faro Arm; a portable CMM with 4 foot reach. Works with solid models and provides automated data collection.

Mitutoyo 201J Profilometer

Krautkramer MIC-10 ultrasonic contact impedance hardness tester

Optima Plus Master Height Gauge: 24"

Mechanical Gauging to 100"

CAD/CAM & Technology
SolidWorks & CAMWorks workstations

CIMCO CNC/DNC editing and data transfer software

Wireless Ethernet LAN connections to all CNC equipment

Zoller Smile 600 Tool Setter: digital and vision tool settings with wireless transfer of data to machine controls.

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