



IOWA EQUIPMENT LIST

CNC Horizontal Machining Centers

Enshu Model JE60S Dual Pallet Horizontal Machining Center
360 "B" Axis high pressure through spindle coolant
with Chip Blaster Model JV10 high pressure/high volume
23.6" X 23.6" X24.8" travel Big plus spindle Cat-40 .500 mm pallets

Enshu Model JE80S Dual Pallet Horizontal Machining Center with 10 Pallet Pool
Full "B" Axis high pressure through spindle coolant
with Chip Blaster Model JV10 high pressure/high volume
23.6" X 23.6" X24.8" travel Big plus spindle Cat-40 .500 mm pallets

(2) Enshu Model JE 80S Dual Pallet Horizontal Machining Center
full "B" Axis high pressure thru spindle coolant 31.5" x 31.5" x 31.5" travel
Big plus spindle Cat-40 .500 mm pallets

Enshu Model JE 60S Dual Pallet Horizontal Machining Center
full "B" Axis high pressure thru spindle coolant 23.6" x23.6" x24.8" travel
Big plus spindle Cat-40 .500 mm pallets

(2) Enshu Model JE 60 Dual Pallet Horizontal Machining Center
360 "B" Axis high pressure thru spindle coolant 23.6" x23.6" x24.8" travel
Cat-40 .400 mm pallets

Enshu Model JE 40 Dual Pallet Horizontal Machining Center
360 "B" Axis high pressure thru spindle coolant 23.6" x23.6" x24.8" travel
Cat-40 .400 mm pallets

CNC Vertical Machining Centers

Enshu Model 650 VX Vertical Machining Center
26" x 73" table 30 station
4th Axis with Tail Stock
Cat-50 Enac 1 control

Matsuura Model MC-510 VF Vertical Machining Center
20" x 14" x 17" 30 station Cat-40 4th Axis with Tail Stock

Fortune Model VCenter 65 Vertical Machining Center
16" x 32" table 24 station Cat-40

Sharp Model SV-2412 Vertical Machining Center
10 station Cat-40 4th Axis with Tail Stock
24" X 12" X 18" travel

CNC Turning Centers

(2) Star SR-38 Type B Swiss Type Automatic Lathe
with LNS bar feeder 12' Alpha 552
38mm capacity, B-axis versatility and motion control system.
Handles up to 1-1/2" diameter bar stock. 8-station back working with Y-axis.
Two tool turning capability

Star SR-32 Type N Swiss Type Automatic Lathe
with LNS bar feeder 12' Alpha 552
32mm capacity, Handles up to 1-1/4" diameter bar stock. 4-station back working.

Ganesh Cyclone - 70-3TMY
11 Axis 3 turret Mill/Turn Lathe with 4" "Y" travel Axis on both upper turrets
2.75" Bar Capacity
LNS Quick Six Bar Feed on main spindle
30 HP Main 30 HP Sub Spindle
(3) turrets; 2 upper & 1 lower
(16) station turrets
(48) live tools
High-pressure coolant with temperature control
Royal Rota-Rack Parts Accumulator

Mazak Hyper Quadrex 200MSY 8 Axis
2.625 RD Dia Bar Cap
LNS Quick Six S2 Bar feed on main spindle
30 HP Main 30 HP Sub
Twin Turret Upper and Lower Y Axis on both
(12) Tool Station Each
(12) Live Tools on Each
High pressure coolant with temperature control
Royal Rota - Rack Parts Accumulator

(3) Daewoo Doosan 1800TT 7 Axis Turning/Milling Center
2.625 RD Dia Bar Cap
LNS Quick Six Bar feed on main spindle
30 hp main 30 hp sub sp
Twin Turret upper & lower
(24) Tool station on each
(6) live tools 1000 psi high press coolant

(2) Daewoo Model Lynx 210GL/Gantry Loading Turning Center
with part turn around option

(2) Mori Seiki 2015 NLX 2500 SY M730 UM Control
Sub-spindle; Live tooling; LNS Turbo Chip Conveyor; LNS Quick Six S2 Bar Feeder

(2) Mori Seiki 2013 NLX 2000Y 1500 M730 BM
Live Tooling; LNS Turbo Chip Conveyor; LNS Quick Six S2 Bar Feeder

Puma 200 MSA with live tooling with sub spindle
8" chuck/collet SMW 12.65 auto load barfeed
2.500 diameter bar capacity

(2) Emco Turn Model 425 CNC Turning Center
twin spindles twin bar feed 1.00 max. diameter
12 station sub spindles VDI 15 tooling

(2) Emco Turn Model 425 CNC Turning Center
twin spindles twin bar feed 1.00 max. diameter
12 station live tooling sub spindles VDI 15 tooling

Wasino LG-6 CNC Turning Center with Gantry Loader

Emco Turn Model 342 CNC Turning Center
6" chucking collet chuck 8 station VDI 30 hydraulic Tail Stock

Emco Turn Model 320 CNC Turning Center
5" chucking Tail Stock 8 station

Daewoo Model 8-2 SP CNC Turning Center
twin spindle twin IEMCA MAxis 52 bar feeds 10" chucks collet system

Daewoo Model 10 HC CNC Turning Center
10 station turret 15" swing 25" centers 10" chuck hydraulic Tail Stock

Daewoo Model Puma 8HC3A CNC Turning Center
8" chuck 3 Axis 12 station "C" Axis rotation programmable Tail Stock
20" swing 19" centers hydraulic bar feed

Daewoo Model Puma 8 CNC Turning Center
8" chuck collet chuck 12 station turret hydraulic Tail Stock

Daewoo Model Puma 6 S CNC Turning Center
6" chuck 8 station turret programmable Tail Stock 2 Axis

Fortune Model V-turn 20 CNC Turning Center
8" chuck collet system 10 station turret hydraulic Tail Stock 2 Axis

Sawing Capabilities

Marvel Heavy Duty Horizontal Band Saw
Series 15 A9 PC Programmable Controller (PC II)
Automatic shuttle bar feed table and discharge tray
15" Max Diameter 1.250 blade size

Wagner Automatic cold cut off saw
10" blade diameter Lovegreen 12' stock feeder system
chain drive automatic stock advance
overhead crane to load all (4) units

Kalamazoo Model B300 Automatic Horizontal Band Saw
13" max diameter 6' roller table ball screw feed 1.250 blade size auto feed

Kalamazoo Model Model FS350A Non Ferris Cold Saw
5" square max auto loading feed system 13.779" diameter carbide tip blade

Elumatic Model T161 Non Ferris Bottom Cutting Carbide Tip Circular Saw

Support Equipment / 2nd Operation

(2) Warner & Swasey Model 2AB single spindle automatic
3 bar capacity

(2) Warner & Swasey Model 0AB single spindle automatic

(3) Warner & Swasey Model 2AC single spindle automatic

Warner & Swasey Model 0AC single spindle automatic

Bridgeport vertical milling machine
1 1/2 HP variable speed digital readouts

(2) Sunnen precision honing machine Model MBB1660K

(2) Miller DC inverter arc welder (pulse welders) Model
Invision 354 with Miller series 60 wire feeder

(2) Miller Model Millermatic arc welder
250 volt AC/DC welder internal wire feeder mobile cart

(2) Schmidt Model 365 roll marking machines
rounds and flats

(2) Horizontal 2nd Op Mills Cincinnati/Nichols

Precision Inspection Equipment

BRT 504 Mitutoyo CMM with PH6A Head
with 6 probe auto change rack and MeasurLink
SPC and GEOPAK Software

Crysta Apex C PH10 head auto change rack

Keyence IM Vision Machine

(3) BHN 305 Mitutoyo CMM Ph-1 Head
with 6 probe auto change rack and MeasurLink
SPC and GEOPAK software

Mitutoyo QVE 200 Pro A CNC 3D Vision measuring
system with MeasurLink
SPC software

Mitutoyo laser scan bench top micrometer measuring
system Model LSM-3D-1
Measuring range .012" to 1.18"

Scherr-Tumico optical comparator Model 20-3500
Quadra Check 2000 digital readouts

(2) Trimos/Fowler 24" digital height gage
air bearings computerized

Johnson Gage External Pitch and Functional Gage

Mitutoyo digital height gage Model HOS digimatic 24"

Fowler electronic bore gages
.375 - 5.00 diameter

Ring gages, pin gages, precision gage block, micrometers, pitch mics, etc.

Zoller V300 Smile non-contact tool presetter reduces tool
and machine
set-up time

KPT tool measuring and pre-setting station Model Diaset 350