

CNC Milling Centers

Dual Mori Seiki NH4000 DCG w/ 14 position pallet pool 22" x 22" x 24.8" travel, 14,000 RPM Spindle, 180-position tool rack, 4th axis, Renishaw probe, 1,000-PSI thru-spindle coolant (2 ea.)	Mori Seiki NH4000 DCG 22" x 22" x 24.8" travel, 14,000 RPM Spindle, 60-position ATC, 4th axis, Renishaw probe, 1,000-PSI thru spindle coolant (1 ea.)	Mori Seiki NHX4000 DCG Cell III 22.05" x 22.058" x 25.98" travel, 12,000 RPM Spindle, 60-position ATC, 4th axis, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)
Mazak HCN4000-II w/ Palletech 22.05" x 24.8" x 25.2" travel, 12,000 RPM Spindle, 120-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)	Mazak HCN4000-II 22.05" x 24.8" x 25.2" travel, 18,000-RPM Spindle, 120-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)	Mazak VCN 510C 41" x 20" x 20" travel, 12,000-RPM Spindle, 48-position ATC, 4th axis, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)
Mori Seiki SVD-503 31.5" x 20" x 20" travel, 20,000-RPM spindle, 30-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)	Mori Seiki SV-500 B/40 40" x 20" x 20" travel, 10,000 RPM spindle, 20-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)	Mori Seiki DuraVertical 5100 41" x 20.9" x 20" travel, 10,000-RPM spindle, 30-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)
Mori Seiki DuraVertical 5080 31.5" x 20.9" x 20" travel, 10,000-RPM spindle, 30-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (2 ea.)	Mori Seiki MV-40 22" x 16" x 20" travel, 8,000-RPM spindle, 20-position ATC (3 ea.)	HAAS VF-4SS 50" x 20" x 25" travel, 12,000-RPM spindle, 40-position ATC, 4th-5th axis, Renishaw probe, 1,000-PSI thru-spindle coolant (4 ea.)
HAAS TM-1 30" x 12" x 16" Travel, 4,000-RPM Spindle (1 ea.)		

Vertical Accessory Equipment

Hardinge GD5C2-02 Dual-Spindle, servo-driven 5C collet indexer with pneumatic tailstocks (1 ea.)	HAAS HA2TS Dual Spindle, servo-driven 5C collet indexer with pneumatic tailstocks (2 ea.)	HAAS T5C4 Quad-Spindle, servo-driven 5C collet multi-axis tilting rotary table (2 ea.)
HAAS HRT160 6.3" platter servo-driven rotary table (1 ea.)	HAAS HRT210M 8.3" platter servo-driven rotary table (1 ea.)	HAAS SCOLR Single-axis programmable servo control, 4-line LCD display, 110-120 VAC (2 ea.)
Kitagawa TC-5C2-H75A Dual-Spindle, servo-driven 5C collet NCRT with pneumatic tailstocks (1 ea.)		

Stamping Presses

Verson 100 Ton 26" x 32" Bed, 12" Shut, 40 SPM (1 ea.)	Perkins 60 Ton 20.5" x 31" Bed, 13.75" Shut, 145SPM (1 ea.)	Perkins 28 Ton 12" x 22" Bed, 8.5" Shut, 190 SPM (1 ea.)
V&O 25 Ton 22" x 13" Bed, 7.5" Shut, 240 SPM (1 ea.)		

CNC Turning Centers

Mori Seiki DL-150MC Dual 6" Chucks, 1.75" Max Diameter, 5,000 RPM Spindle, Live Tooling (1 ea.)	Mori Seiki SL-25MC 10" Chuck, 2.6" Max Diameter, 3,500-RPM Spindle, Live Tooling (1 ea.)	Mori Seiki SL-150Y 6" Chuck/16J Collet, 2.2" Max Diameter, 5,000 RPM Spindle, "Y" axis, Live Tooling, Part Catcher (1 ea.)
Mori Seiki NL-2000SY/500 8" Chuck/16J Collet, 2.2" Max Diameter, 5,000-RPM Spindle, "Y" axis, Live Tooling, Part catcher with 6 ft. bar feeder (3 ea.)	Mori Seiki NL-1500Y/500 8" Chuck/16J Collet, 1.8" Max Diameter, 6,000-RPM Spindle, Live Tooling, Part Catcher with 3 ft. bar feeder (1 ea.)	Mori Seiki NL2500 10" Chuck, 3" Max Diameter, 5,000 RPM Spindle, "Y" Axis, Live Tooling (2 ea.)
Mori Seiki NL2500 10" Chuck, 3" Max Diameter, 5,000 RPM Spindle, Live Tooling (1 ea.)		

CNC Multi-Tasking Centers

Mazak Integrex i-200ST Twin 8" Chucks, 25.9" Max Turning Diameter x 2.047" Max Diameter thru spindles, 5,000 RPM, 5th axis, 12,000-RPM milling spindle, 72-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant, Part Catcher, 6 ft. Bar Feeder (1 ea.)	Mazak Integrex i-200ST GL100F Gantry Loader Twin 8" Chucks, 25.9" Max Turning Diameter x 2.952" Max Diameter thru spindles, 5,000 RPM, 5th axis, 12,000-RPM milling spindle, 72-position ATC, Renishaw probe, 1,000-PSI thru-spindle coolant (1 ea.)
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CNC Swiss Machining

Citizen Cincom M16 16mm (.629") max Diameter, 12,000 Max RPM, 12 ft. IEMCA Bar Feeder (1 ea.)	Citizen Cincom M20 20mm (.629" max) Diameter, 12,000 Max RPM, 12 ft. IEMCA Bar Feeder (1 ea.)
Citizen Cincom M32 32mm (1.259") max Diameter, 8,000 Max RPM, 12 ft. IEMCA Bar Feeder (3 ea.)	Citizen Cincom L32 32mm (1.259") max Diameter, 8,000 Max RPM, 12 ft. IEMCA Bar Feeder (1 ea.)

Wire EDM

Fanuc Robocut ∞-1iE 23.6" x 15.75" x 12.2" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)	Fanuc Robocut ∞-0iE 14.5" x 10.6" x 10" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)	Fanuc Robocut ∞-1iA 20" x 14.6" x 12.2" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)
Fanuc Robocut ∞-0iE 12.6" x 8.7" x 7" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)	Fanuc Robocut ∞-1iC 21.6" x 14.6" x 12.2" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)	Fanuc Robocut ∞-C600iC 23.6" x 15.7" x 16.2" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (2 ea.)
Fanuc Robocut ∞-0iC 12.6" x 8.6" x 7" work envelope, Fanuc Control, .004" to .012" wire size, fully submersible, 4th axis, Auto-Threading (1 ea.)	Perseo-Erie D-50 EDM Drillmate Hole popper .010" to .118" dia. range (1 ea.)	

Grinders

Blanchard #11 20" Dia. Table (1 ea.)	Detru Model C .090" x 4" Dia. x 6"L (1 ea.)	Jones & Shipman 540X 6" x 18" w/ Diaform Dresser (1 ea.)
Okamoto 6-12/14 6" x 12" w/ DRO, overhead dresser (2 ea.)	Okamoto 6-12/14 6" x 12" w/ DRO (3 ea.)	Okamoto 6-12/14 6" x 12" w/ Sine Chuck (1 ea.)
Okamoto 8" x 20" Automatic/Hydraulic (1 ea.)	Okamoto 12" x 24" Automatic/Hydraulic (2 ea.)	Okamoto 16" x 32" Automatic/Hydraulic (1 ea.)

Inspection Equipment

Mitutoyo Crysta Apex C 574 "CMM" 19.98" x 27.76" x 15.94" fully programmable, scale resolution .00004" (2 ea.)	Sprint 200 Pot Measure System 8" x 6" x 5", encoder resolution .00004" (1 ea.)
RAM Starlite 150 150 x 75 x 25 mm Stage Travel, Digital Megapixel Color Camera, motorized 6.5:1 zoom lens systems (1 ea.)	RAM Starlite 250 150 x 75 x 25 mm Stage Travel, Digital Megapixel Color Camera, motorized 6.5:1 zoom lens systems (1 ea.)
Unitro ZST Microscope Fiber Optic Light, 1.3 mega pixel camera (2 ea.)	Deltronic DVC-115 Video Comparator (1 ea.)
Gagemaster 14" Optical Comparator (1 ea.)	Mitutoyo 14" Optical Comparator w/ micro compressor (1 ea.)
Rockwell Hardness Tester, B&S Hite-Locator, Granite Surface Plates, Gage Blocks, Pin Gages, Inside & Outside Micrometers, Thread Gages, Bore Gages, Digital & Dial Locators, Ring Gages, etc.	

Support Equipment

Creality K1 Max FDM 3D Printer, 11.8" x 11.8" x 11.8" (2 ea.)	Form Labs Form 3 LSA Resin 3D Printer, 5.7" x 5.7" x 7.3" (1 ea.)
Epilog Legend 36ext Laser Engraver 36" x 24" x 12", 120-watt resolution, 75-1200 DPI, Rotary chuck and base (1 ea.)	Sunnen Automatic Hone ID Range 120" x 2.75" (1 ea.)
Spartan PA13/3 Cutoff Saw 5 HP, Rectangular Stock (13" x 14" M), Round Bar (13" Max) (1 ea.)	
Johnson Cutoff Saw, 54" Shear, Burr King Belt Sander, Hammond Belt Sander, Delta Disc Sander, J&S Form Dresser, Clemintina Dry Sand Blaster, Cooley Electric Heat Treat Furnaces, Unitek Spot Welder, Rampe Vibrator Model VOF-22, Wet Blaster, BV1DR Vibratory Bowl, etc.	

Software

SolidWorks 3D CAD & Modeling Software capable of reading 2D and 3D Files	Mastercam CAD/CAM System Mastercam supports DXF, IGES and DWG Files