



Galaxy Group

Equipment List / February 2023

Category	Brand & Model	Qty	Capacity (x,y,z)	Details
	Metal Mucher, Model MM-100 5-Station Fab Center	1 Unit		
3 Axis CNC	SNK RB-200F	2 Units	367" x 114" x 23.6" (57" under spindle)	22,000 Lb. Table Load
3 Axis CNC	Hyundai F960B	3 Units	96.5" x 37.8" x 33.5"	10,000 Lb. Table Load
3 Axis CNC	Okuma MCV	2 Units	157.5" x 78.75" x 117.75" (59.75" under spindle)	26,400 Lb. Table Load
3 Axis CNC	Okuma MC-60VAE	2 Units	60" x 24.75" x 24"	3,300 Lb. Table Load
3 Axis CNC	Okuma MC-6VA	2 Units	49.25" x 24.75" x 24"	3,300 Lb. Table Load
3 Axis CNC	Okuma MB-56VA	2 Units	41" x 22" x 18"	1,980 Lb. Table Load
3 Axis CNC	Okuma MX-45VAE	1 Unit	30" x 18" x 17.5"	770 Lb. Table Load
3 Axis CNC	Okuma GENOS 560-V	2 Units	22.05" x 51.18" x 18"	1,800 Lb. Table Load
3 Axis CNC	Haas VF-9	1 Unit	84" x 40" x 30"	4,000 Lb. Table Load
3 Axis CNC	Haas Toolroom Mills	1 Unit	30" x 12" x 16"	
3 Axis CNC	Haas VR-11	2 Units	120" x 40" x 30"	4,000 Lb. Table Load
5 Axis CNC	LINÉ Powermill	1 Unit	720" x 240" x 80" (104" under spindle)	
5 Axis CNC	DMG Mori DMF 260	2 Units	102" x 43" x 35"	
5 Axis CNC	Fidia GTF 22	2 Units	165" x 88.5" x 55"	
5 Axis CNC	Okuma M-460V Trunnion	1 Unit	30" x 18.11" x 18.11"	
5 Axis CNC	HAAS VF6 Trunnion	1 Unit	64" x 32" x 30"	
5 Axis Vertical Mills	Haas VF-5 Vertical Machining Center	4 Units	Integrated 5th Axis	15K RPM
5 Axis Vertical Mills	Haas VF-3 Vertical Machining Center	4 Units	Integrated 5th Axis	15k RPM
5 Axis Vertical Mills	Haas VF-2 Vertical Machining Center	7 Units	Integrated 4 th and 5 th Axis	15k RPM
5 Axis Vertical Mills	Haas UMC750SS Multi- Axis Mill	2 Units		15K RPM
5 Axis Vertical Mills	VSP Vertical Lathe/Boring Mill	1 Unit	110" Max. Diameter Swing x 67" max height	2-160 RPM
CADCAM	CATIA	14 Licenses		Version 5 Solid modeling and Surface Design System for 3D design
CADCAM	CATIA	1 License		Version 5 Solid modeling, 5 Axis Manufacturing and Surface Design System for 3D design
CADCAM	ENOVIA	22 Licenses		DMU Navigator
CADCAM	PRO ENGINEER (CREO)	4 Licenses		Solid modeling design system for 3D design
CADCAM	SOLIDWORKS	1 License		Solid modeling design system for 3D design



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CADCAM	SIEMENS NX (UNIGRAPHIX)	2 Licenses		Solid modeling design system for 3D design
CADCAM	ELYSIUM	1 License		Conversion and Comparison software, An extensive external network of design and analysis capability/capacity
CADCAM	TEBIS	4 Licenses		Computer Aided Manufacturing Software, 5 Axis Programming System with machine simulator
CADCAM	MASTERCAM	17 Licenses		5 Axis Programming Systems
CADCAM	VERICUT	1 License		N/C simulation and verification
Cutting	WaterJet USA	1 Unit		
Cutting	Hyper Therm Power Max 105 Plasma Cutting System	1 Unit	1-1/2" thick Aluminum & 1-1/4" thick Steel	
EDM	Fanuc OiE-10	1 Unit	14.6" x 10.6" x 10.2"	5 axis
EDM	Mitsubishi FA10 Wire	3 Units	13.7" x 9.8" x 8.6"	
EDM	Mitsubishi M25 Die Sinker	1 Unit	12" x 8" x 12"	
EDM	Charmilles Robofil 510	1 Unit	47" x 27.5" x 15.7"	4,400 Lb. Table Load
EDM	Charmilles RoboForm 51	1 Unit	23.62" x 15.75" x 17.71"	2,200 Lb. Table Load
EDM	Charmilles RoboForm 35P	1 Unit	13.75" x 9.84" x 11.81"	1,100 Lb. Table Load
EDM	Charmilles CNC HD30	1 Unit	19.6" x 15.7" x 11.8"	600 Lb. Table Load
Grinding	Shigjiya, G-30	1 Unit	12" Swing x 24"	
Grinding	Kellenberger, 1000U	1 Unit		
Grinding	Okamoto, 124N	1 Unit	14" Swing x 40"	
Grinding	Harig, 612	1 Unit	12" Swing x 24"	
Grinding	Harig, 618	1 Unit		
Grinding	K.O. Lee, B2060	1 Unit	20" Swing x 60"	
Grinding	K.O. Lee, B6060 Okamoto, PSG155B	1 Unit		
Grinding		1 Unit		
Horizontal Mills	Mori Seiki NH-4000	1 Unit	10 Pallet System	24K RPM
Horizontal Mills	More Seiki NH-4000	1 Unit	22" x 21" x 24.5" 22" x 20" x 20" 12" x 12" x 13"	20K RPM
Horizontal Mills	Mori Seiki SH-4000	2 Units		12K RPM
Horizontal Mills	Kitamura HX250	1 Unit		15K RPM
Horizontal Mills	Kitamura HX400	1 Unit	28.9" x 24" x 24"	13K RPM
Lathes	B & S Single Spindle	8 Units	Ø1-5/8" x 6" Length	
Metrology	Zeiss Contura HTG CMM	2 Units	39.4" x 63" x 23.6"	



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Metrology	Brown and Sharpe Gage 2000	2 Units	20" x 18" x 16"	
Metrology	Brown and Sharpe Global	1 Unit	20" x 27" x 20"	
Metrology	Brown and Sharpe Microv	1 Unit	14" x 16" x 12"	
Metrology	DEA Mistral	1 Unit	24" x 24" x 18"	
Metrology	Mitutoyo B231	1 Unit	29" x 29" x 20"	
Metrology	Optiv Classic Vision System	1 Unit	7.9" x 11.8" x 5.9"	
Metrology	Micro Vu Excel 501 Visual System	1 Unit	19.7" x 15.7" x 5.9"	
Metrology	Scherr-Tumico Video Inspec System	1 Unit	4" x 8"	
Metrology	Mitutoyo PH-350 Optical Comparator	1 Unit		
Metrology	DH214 Optical Comparator	1 Unit		
Metrology	Global S Blue 15.30.10 CMM	1 Unit	59" x 118" x 39"	PCDMIS CAD ++ Software
Metrology	Leica Absolute Tracker AT960MR	2 Units		Verisurf, equipped with T probes
Metrology	FARO Quantum M Max ARM Tracker	7 Units	2.5 Meters	Verisurf Software
Metrology	2 FARO Vantage E Trackers	2 Units	35 Meters	Verisurf Software
Metrology	OPTIV M 3.2.2 CMM +Vision	1 Unit	11.8" x 7.8" x 7.8"	PDMIS CAD Software
Metrology	FARO ION Tracker	1 Unit	30 Meters	Verisurf Software
Screw Machine	Acme Six Spindle	8 Units	Ø2" x 4" Length	
Screw Machine	Davenport Five Spindle	8 Units	3/4" Hex x 3" Length	
Swiss Style Lathes	Nexturn CNC Swiss Style Turning Center	13 Units	Ø1-1/2" x 1" Length	
Swiss Style Lathes	Citizen CNC Swiss Style Turning Center	2 Units	Ø1-1/4" x 5" Length	
Turning	Mazak QTN250II Twin Spindle	2 Units	Swing 26.5", Bar 3"	10" Dia x 28" BC
Turning	Miyano BNC-205 Live Tooling	1 Unit	Swing 12", Bar 1"	6" Dia x 5" BC
Turning	Miyano JNC-45	1 Unit	Swing 20", Bar 1.75"	8.5" Dia x 24" BC
Turning	Mori Seiki F-L2	1 Unit	Swing 20", Bar 2.625"	15" Dia x 21 BC
Turning	Mori Seiki SL-25B	1 Unit	Swing 20", Bar 2.75	15" Dia x 21 BC
Turning	Kia Super Turn Live Tooling	2 Units	Swing 21.6", Bar 1.5"	
Turning	Kia Super Turn Live Tooling	2 Units	Swing 21.6", Bar 2"	
Turning	Haas SL-20Y; Live Tooling	1 Unit	Swing 21"	
Turning	Haas SL-25Y; Live Tooling	1 Unit	Swing 21"	
Turning	Haas SL-30Y; Live Tooling	3 Units	Swing 24"	
Turning	Haas SL-35Y; Live Tooling	1 Unit	Swing 24"	
Turning	Bridgeport EZ Turn	2 Units	Swing 17", 40" BC	
Turning	Haas CNC Turning Center	2 Units	Ø15.0" x 26" Length	
Turning	Romi CNC Turn/Mill Centers	2 Units	Ø12.0" x 16" Length	



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Turning	CNC Turning Centers	3 Units	Ø10.0" x 16" Length	
Turning	Davenport Hybrid	1 Unit	Ø875" x 4" Length, (.75" Hex, 625" Sq.)	5,000 RPM
Vertical Mills	Haas VF-11	1 Unit	120" x 40" x 30"	15k RPM
Vertical Mills	Kitamura My Center 0	4 Units	12" x 18" x 12"	15K RPM
Vertical Mills	Kitamura My Center3	3 Units	16" x 35" x 18"	25K RPM
Vertical Mills	Kitamura My Center4	1 Unit	30" x 18" x 18"	20K RPM
Vertical Mills	Fanuc Robodrill	1 Unit	28" x 15" x 13"	24K RPM
Vertical Mills	Mori Seiki NV5000 4 Axis	1 Unit	40" x 20" x 20"	12K RPM
Vertical Mills	YCM XV1250	1 Unit	50" X 21" X 21"	10K RPM
Vertical Mills	Yama Seiki VMB-850	1 Unit	34" x 24" x 24"	8K RPM
Vertical Mills	Excel PMC-10	2 Units	40" x 20" x 22"	8K RPM
Vertical Mills	Excel 810	1 Unit	32" x 20" x 22"	6K RPM
Vertical Mills	Haas CNC Vertical Milling Centers	3 Units	30" x 16" x 20"	1 with 4th Axis
Vertical Mills	Haas CNC Vertical Milling Center High Speed	1 Unit	40" x 20" x 25"	
Vertical Mills	Haas CNC Vertical Milling Center	1 Unit	40" x 20" x 25"	with 4th Axis
Vertical Mills	YCM CNC Vertical Milling Center	1 Unit	22" x 16" x 18"	with Pallet Changer
Welding	Weldlogic Pulsarch MD10/100 Dual Range Precision Pulsed Micro Welder	1 Unit	100 amps - 2,000 pulses per second.	with Olympus SZX
Welding	Research Stereo Microscope System	12 Units		with Precision Abrasive Jet Cleaning System
Welding	Miller Dynasty 400 TIG Welder	2 Units		
Welding	Miller Dynasty 350 TIG Welder	4 Units		
Welding	Miller XMT 350 MIG Welder	1 Unit		
Welding	Miller XMT 450 MPA MIG Welder	1 Unit		
Welding	Miller XMT Mig Welder	2 Units		with Cobra Matic Aluminum Wire Feeders
Welding	Miller XMT 304 MIG Welder	3 Units		
Welding	Meta-Lax Model 1701 Stress Relief and Weld Conditioning System	2 Units		
Welding	OXY-Acetylene Equipment	2 Units		