



VALLEY MACHINE - Equipment List

Certified: ISO 9001:2008 | AS9100C | ITAR

Manufacturing precision components and assemblies for Commercial, Aerospace and Military applications

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Machine	Equipment Description	Comments
HMC-Cell1	2 each Mori-Seiki NH4000 Horizontal Machining Centers 28 station pallet storage system	Pallet changer, 22" X 22" Y-24.8" Z, 14,000RPM Full 4 th Axis 240 tool ATC, Tool setter, Breakage detector, Spindle probe, Coolant thru spindle, High pressure coolant system
HMC-S1	Mori-Seiki NH4000 Horizontal Machining Center	Pallet changer, 22" X 22" Y-24.8" Z, 14,000RPM Full 4 th Axis 60 tool ATC, Tool setter, Breakage detector, Spindle probe, Coolant thru spindle, High pressure coolant system
HMC-S2	Mori-Seiki NHX4000 5 RPP Horizontal Machining Center 5 Station Rotary Pallet Pool	Pallet changer, 22" X 22" Y-26" Z, 12,000RPM Full 4 th Axis 120 tool ATC, Tool setter, Breakage detector, Spindle probe, Coolant thru spindle, High pressure coolant system
VMC-2	Kitamura MyCenter 4XiF Vertical Machining Center	40" X -20" Y-20"Z, 15,000 RPM, 43" x 20" table, 30 tool ATC, CAT 40 taper, Coolant thru spindle.
VMC-3	Mori-Seiki GV-503 Vertical Machining Center	Pallet changer, 24" X 20" Y 18" Z, 12,000 RPM, 29.5" x 21.7" Table, 30 tool ATC, CAT 40 Taper, Tool setter, High pressure coolant
VMC-5	Leadwell MV-40 Vertical Machining Center	40 x -20" Y-24 "Z, 12,000 RPM, 48 x 20" table, 24 tool ATC, CAT 40 taper, Coolant thru spindle, High pressure coolant
TC-1	Takisawa TC-10 Turning Center	2 Axis, 16C collet, 1-5/8" dia bar feed capacity, 6" chuck, 6" dia max turn, 12 station turret, Travel 4-3/4" X – 9" Z, 6,300 RPM
TC-2	Miyano BNJ-42s Turning Center	6 Axis, Sub-spindle, 2 turrets, Live tooling, 1-5/8" dia bar feed capability, 3.9" work length, 5000 RPM spindles
TC-3	Mori-Seiki ZL-150 SMC Turning Center	4 Axis, Sub-spindle, 2 12-station turrets, Live tooling, 1-5/8" dia bar feed capability, 6-1/2" main chuck capability, 5-1/2" sub chuck capability, Travel 8" X – 20" Z, 5,000 RPM
TC-4	Miyano BNJ-42s Turning Center	6 Axis, Sub-spindle, 2 turrets, Live tooling, 1-5/8" dia bar feed capability, 3.9" work length, 5000 RPM spindles, High pressure coolant system
L-1	Clausing - Engine Lathe	15" dia turn x 60" C – C, Gap bed, Tool post grinder
L-2	Hardinge - Turret Lathe	5C collet, 6" chuck, 6 station turret, Compound slide
L-3	Hardinge - Speed Lathe	5C collet, Cross slide, Compound slide
M-1	Chevalier - 2 Axis CNC Mill	35" X – 15" Y – 15" Z, 4,500 RPM, 10" x 50" table, 30 taper
M-3	Kalamazoo - Turret Mill	35" X – 11.8" Y – 16" Z, 5,600 RPM, 9" x 42" table, R-8 taper
G-1	Chevalier - Surface Grinder	18" X – 6" Y, 7" dia wheel
S-1	Master Cut - Horizontal Bandsaw	12" dia capacity, ±.005 accuracy, Auto feed
S-2	Journeyman - Vertical Bandsaw	20" wheel dia, 4,500 SFPM blade speed
S-3	CPO 275 LTPK - Cold Saw	10 3/4" blade, 30-60 RPM, ±.005 accuracy, Capacity 3-3/8" dia.
LG-1	Kalamazoo - Line Grainer	5.5" x 16" capacity, Wet/Dry application
BB-1	Polyrock - Bead Blaster	P36P cabinet with filter unit, Capacity 20 W x 20 H x 24 Long
TM	Flex Arm Tapping Machine	0-80 to 1/2" tap capacity – 400 / 1500 RPM
LM-1	LapMaster Lapping Machine	Lapping machine, 15" plate, Automated dispensing system
LM-2	LapMaster Polishing Machine	Polishing machine, 15" plate, Automated dispensing system
IN-1	Micro-Vu - Vertex Measuring Center	Automated vision system w/ probe package, 12" X -12"Y -6"Z
IN-2	Faro - Gage	Portable CMM arm, 48" swing X – 48" swing Y – 24" Z
IN-3	Zeiss Contura G2 Scanning CMM	Automated CMM, VAST XXT scanning head, 40"X – 48"Y – 24"Z
T	Tumblers	2x 3 ft ³ and .7 ft ³ capacity
P1	Haeger – Insertion Press	6 ton max force, 18" throat depth, 0" – 8.5" stroke length