



Equipment List

CNC Turning Centers

- 1 Mori Seiki Quickturn Nexus 400, 33" dia., 40" turning length, 12-tool positions*
- 1 Mori Seiki TL-5B turning center, 18" dia., 43" turning length, 8 tool positions
- 1 Mazak Nexus 400-II, 33.250" swing, 22.875" machining diameter, 40" turning length
- 1 Mazak Quick Turn 28N turning center, 20" diameter, 39" turning length, 16 tool positions
- 4 Mazak Quick Turn 15Ns, 12" dia., 23" turning length, 8 tool positions
- 1 Mazak Super Quick Turn 15M, 12" dia. and mill, 12 tool positions
- 2 Miyano BNC-34 turning center, 4-11/16" dia., 9-1/4" turning length, 6 tool changer, bar feed
- 1 Miyano BNC-20 turning center 4" swing, 6-7/8" turning length, 6 tool positions, bar feed

CNC Machining Centers

- 1 Haas VF-4 VMC w/40 Station Tool Magazine, 50" x 20" x 25" 4th Axis (Recent Acquisition)
- 1 Mazak H-630 HMC with 80-station tool magazine, 2-pallet changer, 29.5" x 31.5" x 39.4", with renishaw touch probe
- 1 Mazak V-550B VMC with 30-station tool changer, 62" x 24" x 21", four axis with renishaw touch probe
- 1 Mazak V-515 VMC with 30-station tool changer, 18" x 52" x 22", with renishaw touch probe
- 2 Mazak VQC 30/50B VMCs with 24-station tool changer, 50" x 30" x 20", four axis
- 1 Mazak AJV 25/405, with 30-station tool magazine, 21" x 39" x 18", four axis
- 1 Mazak VQC 20/40 B VMC with 30-station tool changer, 39" x 20" x 18"
- 2 Mazak 7.5 VMCs with 30 station tool changer, 30" x 16" x 20"
- 1 Mazak VQC 15/40 VMC 16-station tool changer, 22" x 16-1/4" x 15", with high speed spindle
- 1 Mazak VQC 30/50B VMC w/24-station tool changer, 50" x 30" x 20"
- 2 YCM MV106A with 30-tool magazine 40" x 24" x 24"

Sheet Metal Fabrication Equipment

- 1 Amada Pega 357 K, CNC turret punch press, 50" x 72" with repositioning
- 1 Amada Pega 344 Q, CNC turret punch press, 40" x 40" with repositioning
- 1 Merry-Mec SMP 81 programming system
- 1 Strippit Fabricator, Super 30-40, hydraulic
- 1 Strippit Fabricator, Super 30-30
- 2 Amada RG-100, CNC press brake, 110 ton x 10 ft.
- 1 Amada RG-35, CNC press brake, 38 ton x 4 ft.
- 1 Promecam 35 ton x 4 ft. press brake, hydraulic
- 1 Amada shear, 1/4" x 14 ft., hydraulic
- 1 Amada shear, 1/4" x 78"
- 1 Ameteeep 75 ton OBI press with air cushion
- 1 Pem-serter 6 ton
- 1 Timesaver 25" surface finisher
- 1 Timesaver 37" surface finisher
- 1 Vibratory finishers, 3 cu. ft.
- 1 Vibratory finishers, 14 cu. ft.
- 2 Niagara power rollers, 2" x 36"
- 1 Proconier automatic tapping machine
- 1 Haeger model 618 automatic hardware installer
- 1 Peddinghaus model 210 Super 11 iron worker
- 1 GMC plate roller 4' x 3/16 capacity
- 1 Baileigh hydraulic notcher 8" x 8" x .125 capacity

Inspection Equipment

- 1 Magnalux fluorescent penetrant system
- 1 Zeiss CNC coordinate measuring machine, 48" x 34" x 24," ± 0.00004
- 1 Brown & Sharpe coordinate measuring machine, 16" x 20" x 20," ± 0.0001"
- 1 Mitutoyo Surftest 210 surface roughness tester
- 2 Dia-met Electronics ID-OD gauging system, 8" dia., ±0.00002"
- 3 Deltronic DH214 Shadowgraphs, 14" with readouts
- 1 Mitutoyo Shadowgraph, 12" with surface illumination
- 5 Brown & Sharpe Micro-hites, 24" with printers
- 9 Mitutoyo 12" Height Masters
- 1 Sonodur ultrasonic non-destructive micro-hardness tester
- 1 Portable hardness tester
- 3 Wilson Rockwell hardness testers
- 2 Mikrokators divisions 0.00001"
- 1 Merz electronic height gauge 0.00001"
- 30 Granite surface plates, up to 48" x 72

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Emery Corporation

Jig Grinding and Jig Boring Equipment

2 Moore No. 3 jig grinders
30 Granite surface plates, up to 48" x 72"

Grinding Equipment (OD, ID & Surface)

2 Parker Majestic combination OD-ID, 12" x 24"
1 Myford OD grinder, 8" x 18"
1 Browne & Sharpe surface grinder, 8" x 24"
2 Parker Majestic surface grinders, 6" x 18"

Milling Equipment

1 Devlieg 3H-72" boring mill with digital readout ± 0.0001 "
6 Bridgeport "V" T/Ram mills, variable speed & Sony digital readout ± 0.0005 "

Lathe and Shaper Equipment

1 Meuser engine lathe, 45" x 144" with taper attachment
2 Mori Seiki engine lathe, 24" x 30"
1 Whacheon engine lathe, 20.5" x 80"
1 Whacheon engine lathe gap lathe, 17" dia. x 59"

Drilling Equipment

2 Fosdick geared head drill presses
1 Rockwell Unidrill radial drill press

Miscellaneous Equipment

1 Behringer HBP 313A, auto feed 20" x 96" Horizontal Bandsaw
1 Soco cut-off saw 2.5" capacity
2 Mobi-cranes
1 Toyota stacker
1 Sunnen honing machine with hole gauge
1 Wells cut-off saw 14" x 20"
1 Do-All contour saws, 36" x 18"
1 Robbins & Meyers (full bay) overhead crane, 5 ton
1 Yale (full bay) overhead crane, 2 ton
1 Bewo 12" cold saw
1 Wegoma 17" highspeed chop saw

Welding Equipment

1 Fanuc 100IB Arcmate Robotic Welder w/Miller 450 Auto Access Powersupply (Recent Acquisition)
2 Spot Welders up to 90 K.V.A.
6 Tig Welders up to 300 AMP
9 MIG Welders up to 600 AMP
2 Acorn Welding Tables 5 ft. x 8 ft.
1 Acorn Welding Table 4 ft. x 4 ft.
1 350 lb. capacity rotary table
1 200 lb. capacity rotary table

* Denotes recent acquisition