



MANUFACTURING EQUIPMENT LIST 2020





Machine Specs

IBARMIA ZVH 55 EXTREME - Milling Center

Qty – 1

Axes - 5

Travel – X393.7", Y31.496", Z43.307"

Comments - CAT50 Spindle Taper, 30 Station Tool Changer , Right Angle Milling Capability



DMG DMF500 - Milling Center

Qty - 1

Axes - 5

Travel - X197", Y36", Z32"

Comments - CAT50 Spindle Taper, 30 Station Tool Changer, Right Angle Milling Capability





Machine Specs



DMG DMF360 - Milling Center

Qty - 1

Axes - 5

Travel - X142", Y36", Z32"

Comments - CAT50 Spindle Taper, 30 Station Tool Changer , Right Angle Milling Capability



DMG DMF180 - Milling Center

Qty - 1

Axes - 5

Travel - X70.866", Y36", Z32"

Comments - CAT40 Spindle Taper, 30 Station Tool Changer, Right Angle Milling Capability



Machine Specs



MAZAK VTC 800 30SR - Milling Center

Qty - 2

Axes - 5

Travel - X118", Y31.5", Z28.35"

Comments - CAT40 Spindle Taper, 30 Station Tool Changer , Right Angle Milling Capability



MAZAK VCN 700D-40 - Milling Center

Qty - 1

Axes - 4

Travel - X60", Y27.6", Z25.6"

Comments - CAT40 Spindle Taper, 48 Station Tool Changer



Machine Specs

MAZAK INTEGREX E670 - Turn & Mill Center

Qty - 1

Axes - 9

Swing - 42.13"

Bed Length - 160"

Spindle Bore - 10.24"

Comments - Twin Tandem Steady Rests 3.346"-13.779" (4 total), Long Boring Bar Stocker (LBB) w/ Deep Boring Capability Up To 40" Deep (Three Bar, 100mm (2) and 80mm (1))



MAZAK INTEGREX E420H - Turn & Mill Center

Qty - 3

Axes - 9

Swing - 26.38"

Bed Length - 78.74" (1) 118.11" (2)

Spindle Bore - 4.625"

Comments - Twin 15" Ø Chucks, Upper & Lower Turrets (2), Steady Rest (2) 0.787"-6.496", 1.181"-9.645"). Workpiece Transfer To Allow "Done In One"



Machine Specs



MAZAK INTEGREX IV 400ST - Turn & Mill Center

Qty - 1

Axes - 9

Swing - 33.5"

Bed Length - 60"

Spindle Bore - 4.060"

Comments - Twin 12" Ø Chucks, Upper & Lower Turrets, Workpiece Transfer To Allow "Done In One"



MAZAK INTEGREX i400ST - Turn & Mill Center

Qty - 1

Axes - 9

Swing - 25.91"

Bed Length - 60"

Spindle Bore - 4.060"

Comments - Twin 12" Ø Chucks, Upper & Lower Turrets, Workpiece Transfer To Allow "Done In One"



Machine Specs



MAZAK INTEGREGX IV 300ST - Turn & Mill Center

Qty - 1

Axes - 9

Swing - 30"

Bed Length - 60"

Spindle Bore - 3.195"

Comments - Twin 10" Ø Chucks, Upper & Lower Turrets, Workpiece

Transfer To Allow "Done In One", 120 ATC



MAZAK NEXUS SLANT TURN 500 - Turn & Mill Center

Qty - 1

Axes - 2+1 (w/ Live Tooling)

Swing - 35.8"

Bed Length - 80"

Spindle Bore - 7.200"

Comments - CAT40 Spindle Taper, C-Axis Milling Capability, Milling Spindle

10HP, Steady Rest 1.771"-12.204"



Machine Specs



MAZAK NEXUS SLANT TURN 550 - Turn & Mill Center

Qty - 1

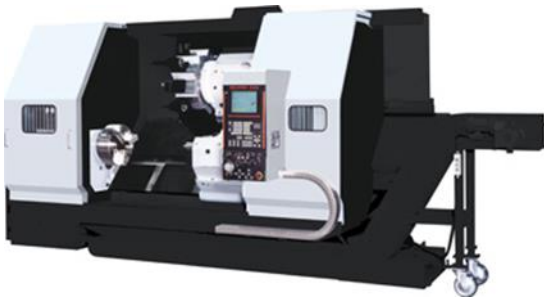
Axes - 2+1 (w/ Live Tooling)

Swing - 35.8"

Bed Length - 120"

Spindle Bore - 10.800"

Comments - CAT40 Spindle Taper, C-Axis Milling Capability, Milling Spindle 10HP, Steady Rest 1.771"-12.204"



MAZAK ST50N - Turning Centre

Qty - 1

Axes - 2

Swing - 31.69"

Bed Length - 59.055"

Spindle Bore - 12.5"



Machine Specs



MAZAK NEXUS QTN450MY - Turn & Mill Center

Qty - 1

Axes - 3+1 (Live Tooling, with 'Y' Axis)

Swing - 22.84"

Bed Length - 80"

Spindle Bore - 7.200"

Comments - 'Y' Axis Movement (± 4.0 "), CAT40 Spindle Taper, C-Axis

Milling Capability, Milling Spindle 10HP, Steady Rest 1.771"-12.204"



MAZAK NEXUS QTN450M - Turn & Mill Center

Qty - 3

Axes - 2+1 (w/ Live Tooling)

Swing - 22.84"

Bed Length - 60"

Spindle Bore - 7.200"

Comments - CAT40 Spindle Taper, C-Axis Milling Capability, Milling Spindle

10HP, Steady Rest 1.968"-7.874"



Machine Specs



MAZAK QT350M-1 - Turn & Mill Center

Qty - 1
Max. Swing - 28.35"
Max Machining Length - 48.672"
Main Spindle Chuck Size - 12"
Max Bar Work Capacity - 4"



MAZAK NEXUS QTN450-II -Turning Center

Qty - 1
Axes - 2
Swing - 22.84"
Bed Length - 80"
Spindle Bore - 7.200"
Comments - Steady Rest 1.968"-7.874"



Machine Specs

MAZAK CYBERTECH 4500MT - Turn & Mill Center w/ LBB

Qty - 4

Axes - 2+1 (w/ Live Tooling)

Swing - 33.80"

Bed Length - 120"

Spindle Bore - 10.800" (1) 7.200" (2) 5.200" (1)

Comments - Long Boring Bar(LBB) w/ Deep Boring Capability To 40" Deep
(Two Bar, 100mm and 80mm), CAT40 Spindle Taper, C-Axis Milling
Capability, Milling Spindle 10HP, S/Rest 1.771"-12.204", 3.346"-13.779"



MAZAK MULTIPLEX 650 - High Production Turn & Mill Centre

Qty - 1

Axes - 2

Swing - 24.409"

Bed Length - 76.77"

Twin Chucks - 500mm (19.68") Twin 6 Jaw Chucks, Twin Turret

Comments - Live Tooling On Centerline, Workpiece Transfer To Allow "Done
In One"



Machine Specs



MAZAK DUAL TURN 20RB - High Production Turn & Mill Centre

Qty - 2

Axes - 2

Swing - 12.5"dia

Bed Length - 49"

Twin chucks - (1)10" Dia, (1) 8" Dia, Twin Turrets

Comments - Gantry Loading System With Parts Indexing Table, Workpiece Transfer To Allow "Done In One"



JOHNFORD ST70D - Turning Center

Qty - 1

Swing - 31.1"

Spindle Bore - 7"

Comments - Hydraulic Steady Rest



Machine Specs



HYUNDAI L400C - Turning Center

Qty - 1
Max. Swing - 30.7"
Max Turning Length - 47.2"
Chuck Main Spindle - 15"
Max Bar Work Capacity - 4"



FORTUNE V-TURN 36 LSB - Turning Center

Qty - 3
Axes - 2
Swing - 25.59"
Bed Length - 35.04" (2) 50.79" (1)
Spindle Bore - 6.300"

Machine Specs



WEILER E110 - Control Cycle Lathe

Qty - 1

Axes - 2

Swing - 43.300"

Bed Length - 177.170"

Spindle Bore - 14.250"

Comments - 6" Ø Deep Boring Bar Holder



WEILER E90 - Control Cycle Lathe

Qty - 2

Axes - 2

Swing - 35.430"

Bed Length - (1)120.000", (1) 177.170"

Spindle Bore - 10.250"

Comments - 4" Ø Deep Boring Bar Holder

Machine Specs



WEILER E70 - Control Cycle Lathe

Qty - 8

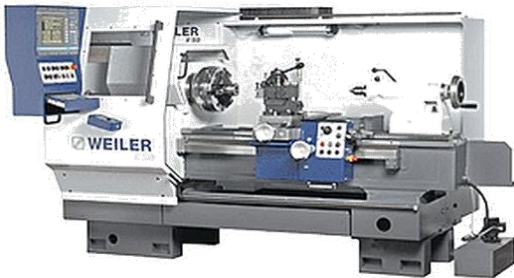
Axes - 2

Swing - 28.340"

Bed Length - 120"

Spindle Bore - 8.500" (6) 6.500" (1)

Comments - 4" Ø Deep Boring Bar Holder



WEILER E50 - Control Cycle Lath

Qty - 6

Axes - 2

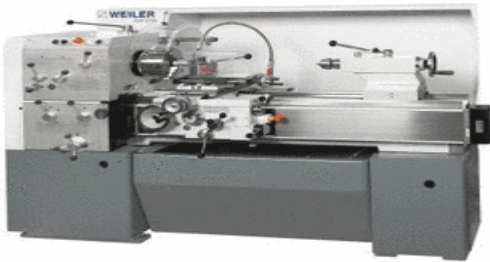
Swing - 22.440"

Bed Length - 80"

Spindle Bore - 3.250" (4) 6.500" (2)

Comments - 2.5" Ø Deep Boring Bar Holder

Machine Specs



WEILER DA260 - Manual Engine Lathe

Qty - 1
Axes - 2
Swing - 21.06"
Bed Length - 80"
Spindle Bore - 2.790"



STANKO 1M63 - Manual Engine Lathe

Qty - 1
Axes - 2
Swing - 27.560"
Bed Length - 120"
Spindle Bore - 4.130"



STANKO 16K40 - Manual Engine Lathe

Qty - 1
Axes - 2
Swing - 33.07"
Bed Length - 120"
Spindle Bore - 4.130"



Machine Specs



TRAK FHM7 - Control Cycle Mill

Qty - 1

Axes - 3+1

Travel - X60", Y23", Z23"

Comments - Fully programmable Tech-in style CNC Mill with ProtoTRAK control, c/w 4th axis, 40 Taper



KIHEUNG U7 - Manual Mill

Qty - 1

Axes - 3

Travel - X102.360", Y39.37", Z33.46"

Comments - 50 Spindle Taper, Huron Style Head, Ball Screws, Outriggers



STANKO BGV 450 - Manual Mill

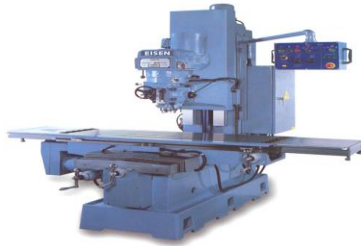
Qty - 1

Axes - 3

Travel - X52", Y13.6", Z24.8"

Comments - 50 Spindle Taper, Quill Feed, Head Swivel L/R 45°

Machine Specs



MODERN MODEL 1654 - Manual Mill

Qty - 2

Axes - 3

Travel - X36", Y20", Z27.5"

Comments - 40 Spindle Taper, Quill Feed, Head Swivel L/R 45°

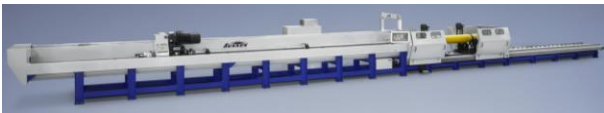


UNISIG B600R – Deep Hole Drilling Machine

Qty - 1

Length - 8 Meter

Comments - Rotating Workpiece, Counter Rotating Tool, BTA Drill (1.5" to 6.0" Ø) & Pull Boring (3.0" to 8.0" Ø), 8.5" Spindle Bore w/ Lantern Chuck.



SUNNEN HTD-8300W - Honing Machine

Qty - 1

Travel - 314.96" Stroke (8 Meter)

Hone sizing - 1" to 22.5" (Currently Tooled Up For 3.41" to 8.06" Ø)

Comments - Superabrasive Honing Machine Capable Of Large Material Removal Rates

Machine Specs



KASTO TWIN A4 - Automatic Saw

Qty - 1

Comments - Fully Programmable Twin Column Bandsaw w/ 15.75" Ø Capacity



KASTO TWIN AE4 - Automatic Saw

Qty - 1

Comments - Fully Programmable Twin Column Bandsaw w/ 15.75" Ø Capacity



HYD-MECH S20A SAW - Automatic Saw

Qty - 1

Comments - Fully Programmable Bandsaw w/ 13" Ø Capacity. Mitering 60° Left



Machine Specs

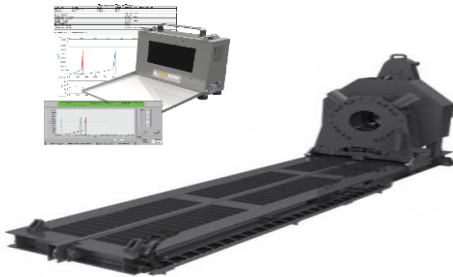


ZEISS ACCURA - Coordinate Measuring Machine

Qty - 1

Travel - X94.48", Y35.43", Z27.56"

Comments - CMM In Temperature Controlled Environment, Fully Automatic Probing & Measuring Cycles. Accuracy to 0.0002"



MCCOY GLOBAL - 16-1/2" Continuously Rotating Clincher Bucking Unit

Qty - 1

Comments - WINCATT Torque Turn Monitoring System With Optimum Torque Accuracy Of +/-1%, Turns Accuracy Of <1%, ATEX Certified Category 2 Chucking Capacities 2 3/8" To 16", Torque Capacity 35,000 Ft.-Lb., Torque Capacity Break 35,000 Ft.-Lb.



MANUS BOND MOD-U-BLAST - Pressure Dry Blast Cabinet

Qty - 1

Comments - Work Area Depth 36" , Work Area Height 36" , Work Area Width 48". Shot Peening Glass Bead Media

Machine Specs



WAINBEE / BARTON METER - Pressure Tester & Digital Chart Recorder

Qty - 2

Comments - Tubing And Fittings Max Rating To 5000 PSI And Or Tubing And Fittings Max Rating To 10000 PSI, Digital And Analog Test Charts



RK MODEL RK-HFP 100 H-FRAME - Hydraulic Press

Qty - 1

Comments: Power 10 HP 3 Phase, Bore 8", Stroke 12", Ram Speed Sec/Inch – Return 26 IPM, Ram Speed Sec/Inch – Press 20 IPM



SHURLIFT 30 TON - Hydraulic Press

Qty - 1

Comments: Power 2 HP 1 Phase, Bore 1.75", Stroke 6", Ram Speed Sec/Inch – Return 30 IPM, Ram Speed Sec/Inch – Press 25 IPM

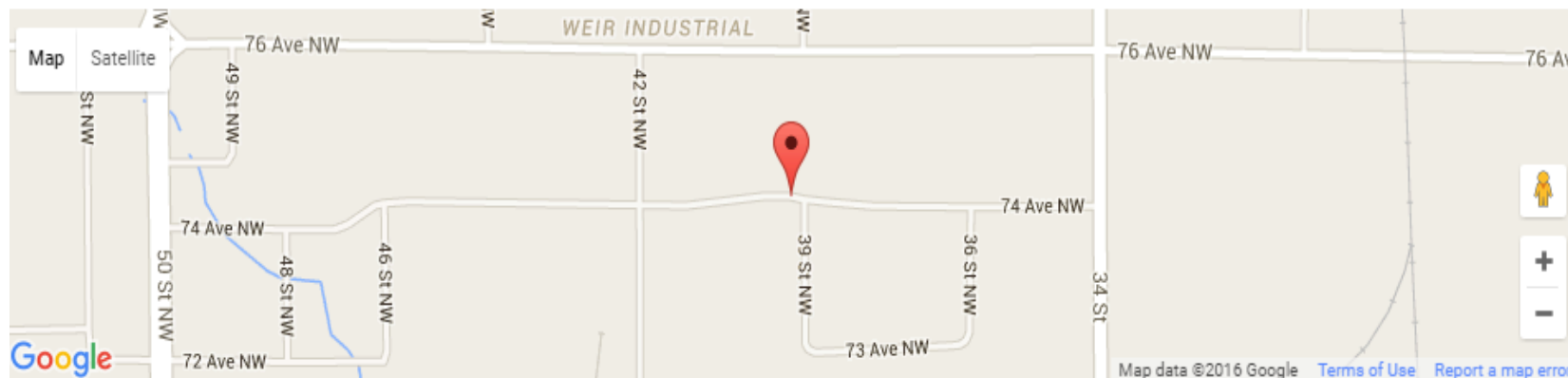
Machine Specs

SPRAY PAINT BOOTH

Qty – 1

Comments: Booth Dimensions 44' X 10' X 10' With An Air Make-up Unit To Minimize Temperature Variations And Remove Particles That Compromise Finish Quality.



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