

MACHINE SHOP EQUIPMENT LIST

Software & Services

- MasterCam 2022 5-Axis
- SolidWorks 2023
- In-house Fixture Design & Build
- Rapid Prototype Machining
- Production Machining

Matsuura 5-Axis Machining Center with Robotic Cell

- XYZ- 24.8" X 22" X 20"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- 20K Spindle
- Dynamic Work Offsets
- Rigid Taping
- Full 5-Axis Trunnion Table
- 1,200 PSI Thru Spindle Coolant
- 6 Port Hydraulic Clamping System

Fanuc M20-R30iB 6-Axis Robot

- Dual infeed Conveyors
- iRVision System 2D Guidance for Infeed Pick
- Quick Change Robot Stem Assy
- Regrip Station
- Palletizing Off-Load Software

Horizontal Machining Center Haas EC500 - 2013

- Renishaw Tool & Spindle Probe
- High Speed Machining
- Rigid Taping
- Full 4th Axis
- 300 PSI Thru Spindle Coolant

Manual Support Equipment

- Bridgeports with DRO
- Drill Presses
- Ingersoll Flex Arm Tapper
- Misc De-Burring Equipment & Hand tools

Vertical Machining Center & Robotic Cell Haas DM2 4-Axis Machining Center with LR Mate 6-Axis Robotic Cell

- XYZ-28"X16"X15.5"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- 15K Spindle
- Rigid Taping
- Full 4-Axis Trunnion Table
- 1,200 PSI Thru Spindle Coolant
- 6 Port Pneumatic Clamping System

Fanuc LR Mate M20iMB 6 Axis Robot

- Dual infeed Conveyors
- iRVision System 2D Guidance for Infeed Pick
- Quick Change Robot Stem Assy
- Regrip Station
- Palletizing Off-Load Software



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Haas VF3-SS VMC

- XYZ 40" X 20" X 24"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- Rigid Taping
- Full 4th Axis
- 300 PSI Thru Spindle Coolant
- True Rotary 4th Axis HRT-210 "8.8 Dia"
- Trunnion Table

Haas VF3 VMC

- XYZ 40" X 20" X 24"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- Rigid Taping
- Full 4th Axis
- 300 PSI Thru Spindle Coolant
- True Rotary 4th Axis HRT-160 "6.7 Dia"

Haas VF2 VMC

- XYZ 32" X 18" X 24"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- Rigid Taping
- Full 4th Axis
- 300 PSI Thru Spindle Coolant
- True Rotary 4th Axis HRT-160 "6.7 Dia"
- Trunnion Table

Haas VF2 VMC

- XYZ - 32" X 18" X 20"
- Renishaw Tool & Spindle Probe
- High Speed Machining
- Rigid Taping
- Full 4th Axis
- 300 PSI Thru Spindle Coolant
- True Rotary 4th Axis HRT-160 "6.7 Dia"
- Trunnion Table

Lathe Turning Centers

Haas ST-30SSY Lathe - Live Tooling

- 12" Dia X 23" long
- Automatic Tool Presetter
- Live Tooling with Full C-Axis
- 300 PSI Thru Spindle Coolant
- Rigid Taping
- Parts Catcher System
- Bar Feeder

Haas SL-20 Lathe

- 10" Dia X 20" long
- Automatic Tool Presetter
- 300 PSI Thru Spindle Coolant
- Rigid Taping
- Parts Catcher System
- Bar Feeder



Haas SL-20 Lathe

- 10" Dia X 20" Long
- Automatic Tool Presetter
- 300 PSI Thru Spindle Coolant
- Rigid Taping
- Parts Catcher System
- Bar Feeder

DCC-CMM

- Hexagon 7.10.7 SF CMM
- PC_DIMS 2022.2
- Automatic Tool Changer
- Scanning Head