

Machine Tool Facilities

CNC SWISS MACHINES

(1) Citizen C-16

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 11-Axis, 5/8" Ø turning capacity x 7.87" long per chucking
- Simultaneous front drilling, outer diameter machining, and back drilling
- 22 live and stationary tools
- Iemca Automatic Bar Loader

(1) Citizen M-20

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 11-Axis, 3/4" Ø turning capacity x 12.5" long per chucking
- Simultaneous front drilling, outer diameter machining, and back drilling
- 24 live and stationary tools
- Iemca Automatic Bar Loader

(1) Citizen M-32

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 11-Axis, 1-1/4" Ø turning capacity x 12.5" long per chucking
- Simultaneous front drilling, outer diameter machining, and back drilling
- 24 live and stationary tools
- Iemca Automatic Bar Loader

(3) Citizen L-25

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 7-Axis, 1" Ø turning capacity x 10" long per chucking
- Simultaneous front drilling, outer diameter machining, and back drilling
- 20 live and stationary tools
- Iemca Automatic Bar Loader

Specializing in....

CNC Swiss Machining • CNC Milling • CNC Turning • EDM – Drilling
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TURNING / MILLING CENTERS

(1) Nakamura Tome WT-15

- Super High Speed Turning / Milling Center
- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 8-Axis, 7.5" Ø standard cutting, 2" Ø bar cutting, 15.75" cutting length
- A single CNC machine with the productivity of two CNC lathes, this machine can run completely unmanned. It can simultaneously machine with both spindles and features automatic part transfer from first to second operations
- Twin Turrets, 12 live and stationary tools on each
- Parts conveyor, Chip conveyor, parts catcher
- LNS Automatic Bar Loader

(2) Mazak Multiplex 6200Y

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 8-Axis, 10.24" Ø standard cutting, 2" Ø bar cutting, 20.87" cutting length for shaft work, 7.09" cutting length for chucking work
- A single CNC machine with the productivity of two CNC lathes, this machine can run completely unmanned. It can simultaneously machine with both spindles and features automatic part transfer from first to second operations
- Twin Turrets, 12 live and stationary tools on each
- Parts conveyor, Chip conveyor, Parts catcher
- LNS Automatic Bar Loader

(1) Mazak Nexus 250 MSY

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming), End Work, Boring
- 6-Axis, 11.81" Ø standard cutting, 3" Ø bar cutting, 21.18" cutting length for shaft work
- A single CNC machine that can simultaneously machine with dual spindles and features automatic part transfer from first to second operations
- 12 live and stationary tools
- Chip conveyor, Parts catcher

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(1) Mazak Super Quick Turn 15 MY

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center Drilling, Tapping, Reaming) End Work, Boring
- 4 – Axis, 11.81” Ø standard cutting, 2” Ø bar cutting, 22.56” cutting length for shaft work
- Parts conveyor, Chip conveyor, Parts catcher

(1) Mazak Nexus 200 MY

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center, Drilling, Tapping, Reaming), End Work, Boring
- 4-Axis, 11.81” Ø standard cutting, 2” Ø bar cutting, 22.56” cutting length for shaft work
- 12 live and stationary tools
- Parts conveyor, Chip conveyor, parts catcher

(1) Mazak Nexus 250 MY2

- Contouring, Threading, Milling, Slotting, Cross Work (Drilling, Off-center
- Drilling, Tapping, Reaming) End Work , Boring
- 4 – Axis, 11.81” Ø standard cutting, 3” Ø bar cutting, 22.56” cutting length
- for Shaft work
- 12 live and stationary tools
- Parts conveyor, Chip conveyor, Parts catcher

VERTICAL MACHINING CENTERS

(1) Kitamura 3XI / F2009

- High Speed Machining
- Contouring, Threading, Milling, Slotting, Drilling, Tapping, Reaming, Boring
- Programmable 4th Axis (Rotary)
- X-Axis Travel 30.0" Y-Axis Travel 17.9" Z-Axis Travel 18.1"
- Rapid traverse X-Axis and Y-Axis 1,969 inches per minute, Z-Axis 1,417 inches per minute
- 10,000 RPM Spindle
- 134 pounds of torque
- 30-Station Automatic Tool Changer
- Table Load 1,102 pounds
- Automatic Chip Conveyor

(1) Kitamura 3XI

- High Speed Machining
- Contouring, Threading, Milling, Slotting, Drilling, Tapping, Reaming, Boring
- Programmable 4th Axis (Rotary)
- X-Axis Travel 30.0" Y-Axis Travel 17.9" Z-Axis Travel 18.1"
- Rapid traverse X-Axis and Y-Axis 1,969 inches per minute, Z-Axis 1,417 inches per minute
- 10,000 RPM Spindle
- 134 pounds of torque
- 30-Station Automatic Tool Changer
- Table Load 1,102 pounds
- Automatic Chip Conveyor

(1) Kitamura 3X

- High Speed Machining
- Contouring, Threading, Milling, Slotting, Drilling, Tapping, Reaming, Boring
- Programmable 4th Axis (Rotary)
- X-Axis Travel 30.0" Y-Axis Travel 17.9" Z-Axis Travel 18.1"
- Rapid traverse X-Axis and Y-Axis 1,181 inches per minute, Z-Axis 945 inches per minute
- 10,000 RPM Spindle
- 134 pounds of torque
- 20-Station Automatic Tool Changer
- Table Load 1,100 pounds
- Automatic Chip Conveyor

VERTICAL MACHINING CENTERS CONTINUED....

(1) Doosan DNM 500II VMC 2016

- High Speed Machining
- Full 4th Axis with Trunion
- X-Axis Travel 40.0" Y-Axis Travel 21.3" Z-Axis 20.1"
- Rapid Traverse X-Axis and Y-Axis 1,417 inches per minute, Z-Axis 1,181 inches per minute
- 12,000 RPM Spindle
- 30-Station Tool Changer
- Table Load 1,200 pounds
- Auto Chip Conveyer

CNC / EDM FAST HOLE DRILLING MACHINES

(1) Current EDM CT300

- Drills straight or angled holes .004" Ø to .256" Ø
- Drilling depth up to 300 times the electrode diameter
- 3 axes and 9 coordinate systems with automatic part referencing
- X-Axis Travel 12", Y-Axis Travel 8", Z-Axis Travel 12"

PRODUCTION SAWING

- (1) **Marvel PA10/3 Automatic Band Saw**
 - High Speed Production Sawing
 - Multiple Bar Bundle Cutting
 - $\pm .002$ accuracy part to part
 - 10" Round
 - 8" x 11 1/2 " Rectangle

MACHINE TECHNOLOGY'S MANUAL MACHINES

- (1) **Bridgeport Vertical Mill**
- (2) **Hardinge 5-C Chucker Lathes**
- (1) **Webb 60" x 17" Engine Lathe**