

CNC Milling Centers

(1) HAAS VF-3SS (5 Axis)

- Super Speed Vertical Machining Center
- Travel X=40.0" Y=20.0" Z=25.0"
- 12,000 RPM 40 Taper Spindle
- XYZ Rapids: 1,400 Inches Per Minute
- 40 + 1 Tool Carousel
- Renishaw Probe System

(4) HAAS VF-2SS (4 Axis)

- High Speed CNC Vertical Milling Center
- Travel X=30.0" Y=16.0" Z=20.0"
- 12,000 RPM 40 Taper Spindle
- XYZ Rapids: 1,400 Inches Per Minute
- 24 + 1 Tool Carousel
- Renishaw Probe System

(1) HAAS VF-4SS (3 Axis)

- High Speed CNC Vertical Milling Center
- Travel X=50.0" Y=20.0" Z=25.0"
- 12,000 RPM 40 Taper Spindle
- XYZ Rapids: 1,400 Inches Per Minute
- MIDICO Pallet Changer
- Renishaw Probe System

HAAS ROTARY MODULES

- (1) 5 Axis TR160Y Trunnion
- (3) 4 Axis HRT 210 Rotary Indexer
- (1) Single 5C Rotary Indexer
- (1) Double 5C Rotary Indexer

(3) BROTHER TC-52C-0 (3 Axis)

- High Speed CNC Vertical Milling & Tapping Center
- Travel X=27.6" Y=15.7" Z=11.8"
- 16,000 RPM Spindle
- 20 + 1 Tool Carousel

(1) MATSUURA MC-800VF (3 Axis)

- CNC Vertical Milling Center
- Travel X=31.5" Y=17.3" Z=19.0"
- 8,000 RPM 40 Taper Spindle
- 30 + 1 Tool Carousel

CNC Lathe Centers

(1) HAAS SL-30

- CNC Turning Center
- Travel X=11.30" Z=34.00"
- Bar Capacity 4.00"
- Max Cutting Diameter 15.00"
- Max Cutting Length 24.00"
- Tool Capacity 12
- 2,400 RPM Spindle
- BIG BORE Option
- Haas Servo Bar 300 Automatic Bar Feeder

(2) HAAS ST-20

- CNC Turning Center
- Travel X=9.3" Z=21.00"
- Bar Capacity 2.00"
- Max Cutting Diameter 12.00"
- Max Cutting Length 18.00"
- 12 Station BOT Turret
- 4,000 RPM Spindle
- HAAS BAR2008ST Automatic Bar Feeder

(1) HAAS SL-10

- CNC Turning Center
- Travel X=6.25" Z=14.00"
- Bar Capacity 1.75"
- Max Cutting Diameter 6.00"
- Max Cutting Length 10.00"
- Tool Capacity 12
- 6,000 RPM Spindle

Programming / Inspection

Mastercam X6

- Solid Models
- 3D Machining
- 5 Axis
- Lathe

(1) Browne & Sharpe ONE 7.7.5 (CMM)

- X=27.5" Y=27.5" Z=19.5"
- UMP Control System
- TESASTAR Touch Trigger Probe and Stylus Kit
- (2) PC DMIS PRO Measurement Software Seats

(1) Browne & Sharpe TESA MicroHite 3D Reflex (CMM)

- X=18" Y=20" Z=16"
- TESA Reflex Software
- TESASTAR Touch Trigger Probe

(1) Agilent Technologies Laser Interferometer

- Laser Interferometer Position Measurement System

(1) Browne & Sharpe TESA-HITE

- 18.0" Digital Height Gauge

(1) Mitutoyo 192-112

- 18.0" Digital Height Gauge

(1) Mitutoyo PJ311

- Optical Comparator Projector

(3) Granite Surface Plates

- 48.0" x 72.0" Grade A
- 36.0" x 48.0" Grade A
- 18.0" x 24.0" Grade AA

(1) Indi-X Drop Indicator

Hand Held Inspection Tools

- Digital Calipers
- Digital Micrometers
- Go / No Go Gauges



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