

CAPABILITIES:

(6) 5-AXIS CNC MILLING:

HAAS UMC-750 (6)

- 19.7" Table
- 30" X-axis Travel
- 20" Y-axis Travel
- 20" Z-axis Travel
- 12,000 RPM / 30HP Spindle
- 1200 IPM Rapid Traverse
- 40+1 ATC Carousel Tool Changer
- Dynamic Work Offsets
- Intuitive Probing System
- *5 of the 6 machines feature right angle head capability and 1,000 psi through spindle coolant*

(5) VERTICAL CNC MILLING:

HAAS VF-3 (1)

- 48" x 18" Table
- 40" X-axis Travel
- 20" Y-axis Travel
- 25" Z-axis Travel
- 10,000 RPM / 30HP Spindle
- 1000 IPM Rapid Traverse
- 24 ATC Carousel Tool Changer

HAAS VF-3SS (1)

“Super Speed” with high speed machining, featuring right angle head capability and 1,000 psi through spindle coolant

HAAS VF-4 (1)

- **52” x 18.6” Table**
- **50” X-axis Travel**
- **20” Y-axis Travel**
- **25” Z-axis Travel**
- **10,000 RPM / 30HP Spindle**
- **1000 IPM Rapid Traverse**
- **30 ATC Carousel Tool Changer**

HURCO VM-2 (1)

- **48” x 20” Table**
- **40” X-axis Travel**
- **20” Y-axis Travel**
- **25” Z-axis Travel**
- **8,000 RPM / 15HP Spindle**
- **600 IPM Rapid Traverse**
- **20 ATC Carousel Tool Changer**

HURCO VM-1 (1)

- **30” x 14” Table**
- **26” X-axis Travel**
- **14” Y-axis Travel**
- **18” Z-axis Travel**
- **8,000 RPM / 15HP Spindle**
- **750 IPM Rapid Traverse**
- **16 ATC Carousel Tool Changer**

ACRA AM-2V

- **49” x 9” Table**

- 33" X-axis Travel
- 12" Y-axis Travel
- 5" Z-axis Travel
- 16" Manual Knee / 5" Manual Quill Z-axis Travel
- 5,000 RPM / 3HP Spindle

CNC TURNING CENTER:

Hurco TM-6

QUALITY CONTROLS:

HEXAGON GLOBAL S CMM

- 43" x 80" table
- 36" x 48" travel / bridge type
- Automatic and programmable

BROWN & SHARPE GLOBAL CMM

- 24" x 39" work area
- 20" x 20" travel / bridge type
- Automatic and programmable

PROGRAMMING:

- **MasterCam 2022 (3 seats)**
 - multi-axis programming and modeling package
- **Autodesk Fusion360 Ultimate (2 seats)**
 - 5-axis programming and modeling package
 - Drafting with GD&T
 - Translation capability of nearly all major file types
- **Autodesk Fusion360 Standard (2 seats)**
 - 3-axis programming and modeling package
 - Translation capability of nearly all major file types