



## Advanced Aerospace and Defense Manufacturing

### CNC Milling Centers

	Axis	RPM	Table (in)	Envelope (in)
Haas UMC 500SS	5-Axis	15,000	20	24x16x16
Haas UMC 500SS	5-Axis	15,000	20	24x16x16
Haas UMC 500	5-Axis	8,100	20	24x16x16
Haas ES-5-TR (Trunnion)	5-Axis	12,000	30	30x16x20
Haas VF-5XT	5-Axis	7,500	52	50x26x25
Haas ES-5-4T (Trunnion)	5-Axis	12,000	30	30x16x20
Haas VF-4 (Trunnion)	5-Axis	7,500	52	50x20x25
Haas VF-2 (Trunnion)	5-Axis	8,100	36	30x16x20
Haas VF-3SS	4-Axis	12,000	48	40x20x25
Haas VF-3SS	4-Axis	12,000	48	40x20x25
Haas EC-500 (Horizontal)	4-Axis	12,000	19	32x28x25
Haas VF-6SS	3-Axis	12,000	64	64x32x30
Haas VF-3YT	3-Axis	7,500	54	40x26x25
Haas VF-2SS	3-Axis	12,000	36	30x16x20
Trak LPM Mill	3-Axis	8,000	32	30x21x21

### CNC Turning Centers

	Axis	RPM	Swing (in)	Chuck (in)
Puma 2600YII w/ Live Tooling	7-Axis	4,500	26	12
Haas ST-30	2-Axis	3,400	32	12
Trak 2470-SX	2-Axis	2,500	15	12
Trak 1840SX	2-Axis	2,500	18	10
Trak 1840SX	2-Axis	2,500	18	10
Kingston HL-3000G	2-Axis	2,500	30	15

### Precision Aerospace Machining: Our Unique Expertise

- Military-Certified Fracture Critical Components
- Missile and Drone Components
- Space and Rocket Components
- Military Helicopter Components
- Landing Gear Components
- Aileron Flap Components
- Military Engine Mounts
- Military Fighters, Bombers, Cargo Aircraft



America's Ride to Space



### Standard and Exotic Materials

- ♦ Aluminum, Mild Steel, Alloy Steel, Stainless Steel, 465, Hy-Tuff & Others
- ♦ Hastelloy, Titanium, Cobalt Chrome Nickel Alloy
- ♦ A286, Stellite, Inconel, Inconel 625 Plus
- ♦ Copper Alloys, Brass, Aeromet, & Others
- ♦ Delrin, Peek, Panzerholz & Others

### Water Jet Cutting

- ♦ American WaterJet HP - 105S

### Precision Wire EDM

- ♦ Sodick Co., Ltd. LN1W

### Automation

- ♦ Universal Collaboration Robots: UR10E

### Metrology

- ♦ Faro Arm Quantum S
- ♦ Brown and Sharp CMM
- ♦ Quake Chek2

### CMC Compliant Software

- ♦ ERP: Proshop - Cloud Based
- ♦ Quoting & CUI Security: Paperless Parts
- ♦ CAD/CAM: MasterCam 2025 with CloudNC CAM Assist
- ♦ Program Optimization and Collision Prevention: VeriCut 2025
- ♦ Quality: Verisurf 2025 with Analyst
- ♦ Quality Measurement and FAIR: High QA 2025

### Ancillary Equipment & Machinery

- ♦ Shrink Fit Systems: Haimer & Techniks
- ♦ Laser Part Marking: OV Laser OV-SF-60
- ♦ Tube Bending
- ♦ Welding: TIG, MIG, Plasma, etc.
- ♦ Grinders
- ♦ Presses
- ♦ Automated Vises

### Connect with Our Business Development Team

Gordon Alward | (760) 496-4394  
gordon.a@aerobotech.com

Sabrina Morris | (760) 755-4879  
sabrina.a@aerobotech.com

Location: 145 Monroe Street  
Jackson, Michigan 49202



## NAICS Codes

<b>332710</b>	Machine Shops	Precision machining and milling services
<b>332721</b>	Precision Turned Products	CNC-turned components with tight tolerances for critical assemblies
<b>332312</b>	Fabricated Structural Metal Manufacturing	Fabricating and machining of structural frames, supports, and housings for aerospace and industrial applications
<b>332772</b>	Aircraft Manufacturing Bolt, Nut, Screw, Rivet, and Washer Manufacturing	In-house manufacturer of fasteners, if we produce or finish turned parts that serve as bolts, screws, rivets, and washers
<b>336412</b>	Aircraft Engine and Parts	Precision sub-components for aircraft engines, turbines and propulsion systems
<b>336413</b>	Aircraft Parts and Auxiliary Equipment Mfg	Manufacturing parts for military aircraft, UAVs, drones, and aerospace support equipment
<b>332119</b>	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	Applies if we perform stamping operations (e.g. closures, crowns, etc.) that complement our machined parts
<b>332510</b>	Hardware Manufacturing	Production of precision hardware, fasteners, and fittings from various alloys
<b>332313</b>	Plate Work Manufacturing	Relevant if we produce weldments or fabricated metal plate assemblies in conjunction with machining
<b>332999</b>	All Other Miscellaneous Fabricated Metal Product Manufacturing	Covers any custom fabricated metal products that don't fall under other specific codes
<b>33281X</b>	Coating, Engraving, Heat Treating, and Allied Activities	Pertains if we offer surface treatments or finishing services like coating or engraving of machined parts
<b>334111</b>	Electronic Computer Manufacturing	Precision enclosures, heat sinks, and chassis components for computing hardware
<b>334511</b>	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	Machined housings, brackets, and assemblies for avionics and guidance systems
<b>334516</b>	Analytical Laboratory Instrument Manufacturing	Machined precision frames, holders, and housings for analytical instruments
<b>335311</b>	Power Distribution, and Specialty Transformer Manufacturing	Machined electrical enclosures, transformer housings, and component mounts
<b>335312</b>	Motor and Generator Manufacturing	Precision shafts, housings and rotor/stator components for motors and generators
<b>335313</b>	Switchgear and Switchboard Apparatus Manufacturing	Machined panels, frames, and enclosures for switchgear systems
<b>335932</b>	Noncurrent-Carrying Wiring Device Manufacturing	Precision machined housing and components for connectors, plugs and cable systems
<b>336411</b>	Aircraft Manufacturing	Critical machined structural and mechanical components for fixed-wing and rotary aircraft
<b>336414</b>	Guided Missile and Space Vehicle Manufacturing	Machined aerospace components for propulsion, structural frames, and control systems
<b>336419</b>	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	Sub-components and precision assemblies for missile and space vehicle support markets
<b>333611</b>	Turbine and Turbine Generator Sets Units Manufacturing	Machining of turbine blades, shafts, and housings for power generation and aerospace propulsion
<b>332994</b>	Small Arms, Ordnance	Small defense components for weapon hardware and support equipment
<b>333613</b>	Mechanical Power Transmission Equipment Manufacturing Engineering	Machined gears, shafts, couplings, and housings for power transmission systems
<b>333923</b>	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing	Machined structural and mechanical parts for lifting and material-handling systems
<b>423120</b>	Motor Vehicle Supplies and New Parts Merchant Wholesalers	Supply of precision-machined components for automotive and specialty vehicle markets
<b>423430</b>	Computer - Computer Peripheral Equipment - Software Merchant Wholesalers	Precision machined housings and brackets for computer peripherals and related equipment
<b>541330</b>	Engineering Services	Reverse engineering, fixture/tooling design DFM/DFX, and CAD/CAM programming
<b>811310</b>	Commercial and Industrial Machinery and Equipment Repair and Maintenance	Relevant if we service or repair industrial machinery or equipment - especially CNC machines or tooling