



Structural Component Manufacturing and Repair

AAMSI is trusted by OEM, US and International procurement agencies. We consistently meet and exceed quality aerospace standards for the engineering, manufacturing and repair of complex critical components.

We are a small business, serving both U.S. and Foreign Government agencies. Our focus is on end users, OEMs and service providers supporting the platform for which we are licensed.

AAMSI provides organic manufacturing and repair services supported by a network of trusted partners ensuring our quality products are delivered on or before schedule.



Quality through continuous improvement

ISO Certification

Our facility is ISO-9001:2008 + AS9100C certified with an on-site U.S. Government Quality Assurance Representative office.

Licensing by

Boeing to manufacture over 5,000 F/A-18, F-15, CH-47 and other military aircraft landing gear and structural airframe parts as well as F/A-18 component repair.

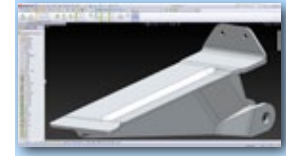
Northrop Grumman Corporation to develop, manufacture and repair their UPX-39 and ACCU-Track interrogator systems, AN/APX-109 CIT systems and the AN/APX-110, AN/APX-101, AN/APX-121 and other Mark XII Diversity Identification Friend or Foe (IFF) transponders.

Repair

Approved by Lockheed Martin for P-3 capability on manufacturing and repair.

Reliable expertise

Complete order planning, process engineering, advanced 2D and 3D modeling, CAD/CAM programming, manufacturing, troubleshooting and reverse engineering.



Modeling and programming

SolidWorks based CAD
Mastercam CNC

Aerospace materials

Aluminum, Steel, Titanium, Invar, Inconel, Waspaloy, and Hastelloy.

In house capabilities

Sheet metal forming, surface grinding, honing, drilling, dry pressure/suction blasting and polishing.

AAMSI Partners

Component processing, by OEM approved vendors, in accordance with AAMSI license agreements and quality system standards.

Structural manufacturing facility

4- and 5-axis Mazak CNC milling centers 3-axis Mazak lathe and 4-axis Mazak turning center



Machining Capabilities

MODEL NUMBER	DESCRIPTION MAKE / MODEL	POSITION ACCURACY	SIZE	CAPACITY	REPEATABILITY PRECISION	AXIS CAPABILITY
VARIAxis 630-5X 11	MAZAK	±0.0002 In	Length (127 In)	X-axis (24.8 In) Y-axis (30.12 In) Z-axis (20.08 In)	±0.0005	5 Axis
	5-Axis Trunnion Vertical Machining Center	Entire Stroke	Width (161 In)	A-axis (150d) C-axis (360)		Trunnion Style Twin Pallets
VTC-300C	MAZAK	±0.0002 In	Length (57.48 In)	X-axis (44.09 In) Y-axis (29.92 In) Z-axis (20.08 In)	±0.0005	3 and 4 Axis
	Vertical Machining Center	Entire Stroke	Width (20.08 In)			Rotary Attachment
VTC-300C	MAZAK	±0.0002 In	Length (57.48 In)	X-axis (24.8 In) Y-axis (30.12 In)	±0.0005	3 Axis
	Vertical Machining Center	Entire Stroke	Width (20.08 In)			Rotary Attachment
QTN 350-II MY	MAZAK	±0.0002 In	Chuck @ 12.00"	X-axis 10.125 In Z-axis 26.375 In C-axis 360.000	±0.0005	4 Axis Live Tooling
	Quick Turn Nexus	Linear Axis	Max. Swing @ 25.50"	Y-axis 6.000 In		Bar Capacity @ 4.00"
Nexus 300-II	MAZAK	±0.0002 In	Chuck @ 10.00"	X-axis 10.125 In Z-axis 26.375 In C-axis 360.000	±0.0005	2 Axis
	Quick Turn Nexus	Linear Axis	Max. Swing @ 24.80"			Bar Capacity @ 3.00"

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