

fluid ***mechanisms***



**AEROSTRUCTURES, HARD METALS
MACHINING & ASSEMBLY
225 ENGINEERS RD - HAUPPAUGE, NY 11788
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Monolithic Aerostructures & Assemblies

Fluid Mechanisms specializes in high speed aluminum machining and has broad capabilities for large format machining of titanium and alloys up to 6 feet wide and 14 feet long.

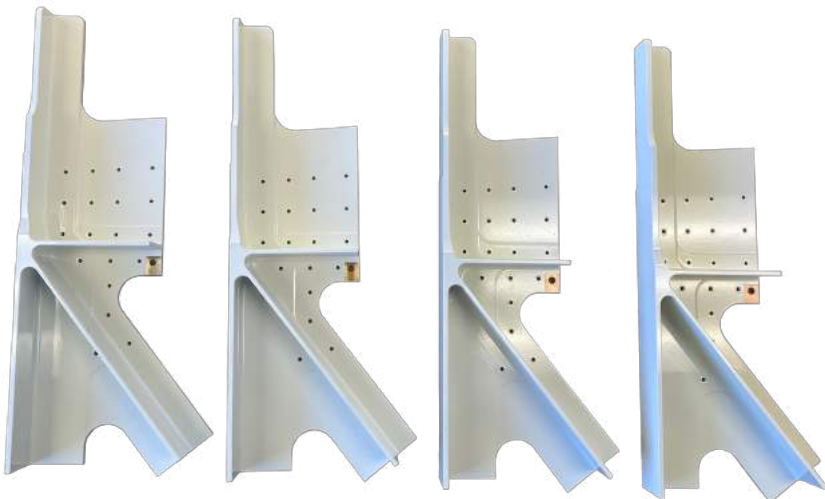


Flight Critical & Flight Safety

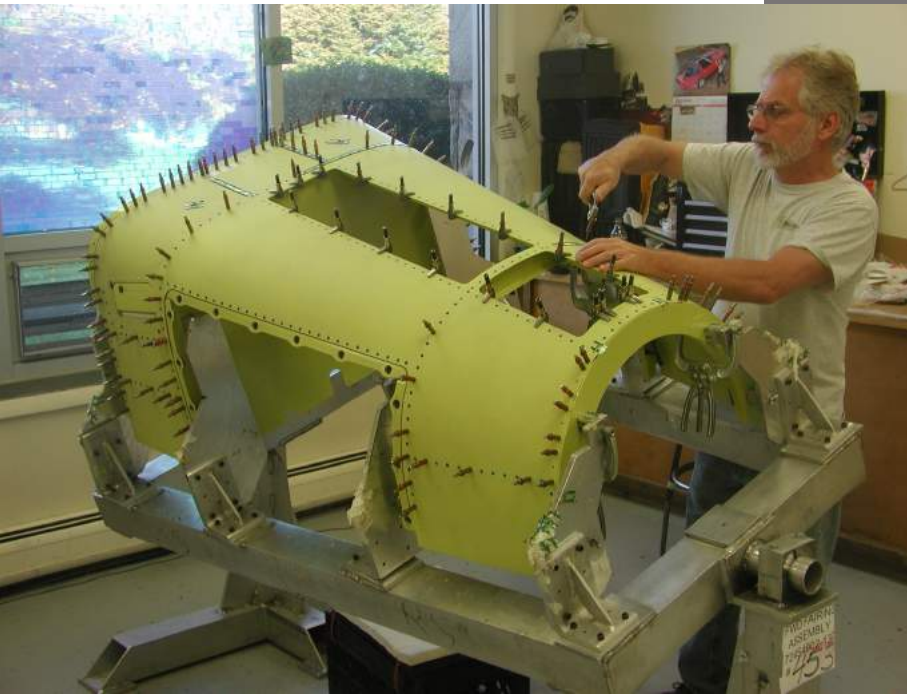
Fluid Mechanisms is a leader in producing flight control, ejection & egress, and leading edge content.



Machined Details & Assemblies



Assembly



Fluid Mechanisms has a team of experienced assemblers skilled in installation of precision bearings, aerospace fasteners and metal bonding and sealing.



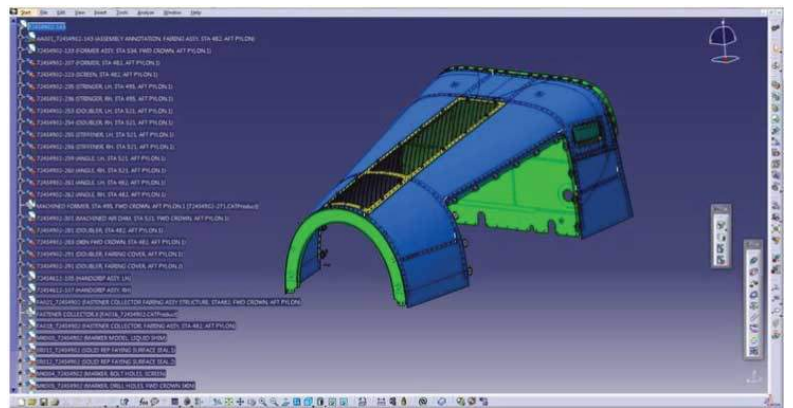
Manufacturing Technology

Fluid Mechanisms manufactures aerostructures and assemblies produced with advanced machining technology including NC programming platforms Catia V5 and Mastercam and verification platform PC-DMIS. Fluid Mech is a large-format machining leader and uses 3, 4, and 5 axis machines to produce high-quality complex structures. We welcome the opportunity to help solve your most critical challenges.

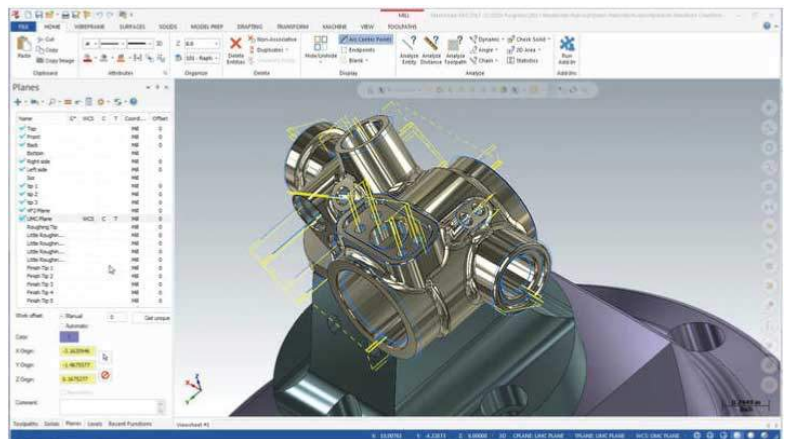
Hexagon CMM



Catia V5



Mastercam



Equipment

	Qty	Axes	X Axis (in)	Y Axis (in)	Z Axis (in)	Spindle Taper	HP	Spindle RPM
CNC Vertical Mill								
Cincinnati 30V	1	5	144	72	24	50	30	3,600
Mazak Vortex 1400/160	3	5	165	55	24	50	50	10,000
Mazak MTV 815/120	1	5	130	32	24	50	50	6,000
Mazak AJV 50/120	1	3	120	45	20	50	40	5,000
Mazak AJV 35/80	1	3	80	35	20	50	30	3,500
Mazak FJV 35/80-II	1	3	80	35	20	50	50	10,000
Mazak FJV 25	1	3	40	20	18	40	30	12,000
Mazak FJV 35/60	1	3	60	31	23	50	40	10,000
Mazak FJV 35/60-II	1	3	60	31	23	50	50	10,000
Matsuura 500	1	3	20	14	17	35	7.5	7,000
CNC Horizontal Mill								
Mazak Ultra 650	1	4	40	31	31	50	30	7,000
Hitachi Seiki	1	4	44	37	33	50	25	3,600
CNC Turn								
Okuma LU300	2	4					30	5,000
Okuma LC40-2ST/250	1	4					60	2,500
Okuma LB45II	1	2					50	2,400
Okuma LC-40-1ST/750	1	2					60	2,500



Fluid Mechanisms was founded in 1957 and has been a Tier 1 supplier to Aerospace and Defense primes for over 60 years. Our professional team supports customers with best-in-class engineering, machining, and assembly services for a wide variety of aerospace and defense programs.



Fluid Mech builds world class aerostructures, components and assemblies used in flight safety and flight critical applications for Boeing, Bell, Sikorsky and more. A flawless customer service experience, impeccable product quality and competitive pricing is always guaranteed. Our clients' most demanding challenges are welcomed and we are dedicated to exceeding your expectations.

Fluid Mech has 30 employees, is AS9100 and ISO 9001 certified, operates in a 45,000 square foot facility in Hauppauge, NY and is a subsidiary of The Metacommet Group based in Cranston, RI.



ISO 9001 • AS9100
CERTIFIED COMPANY

