fluid mechanisms

AEROSTRUCTURES, HARD METALS MACHINING & ASSEMBLY

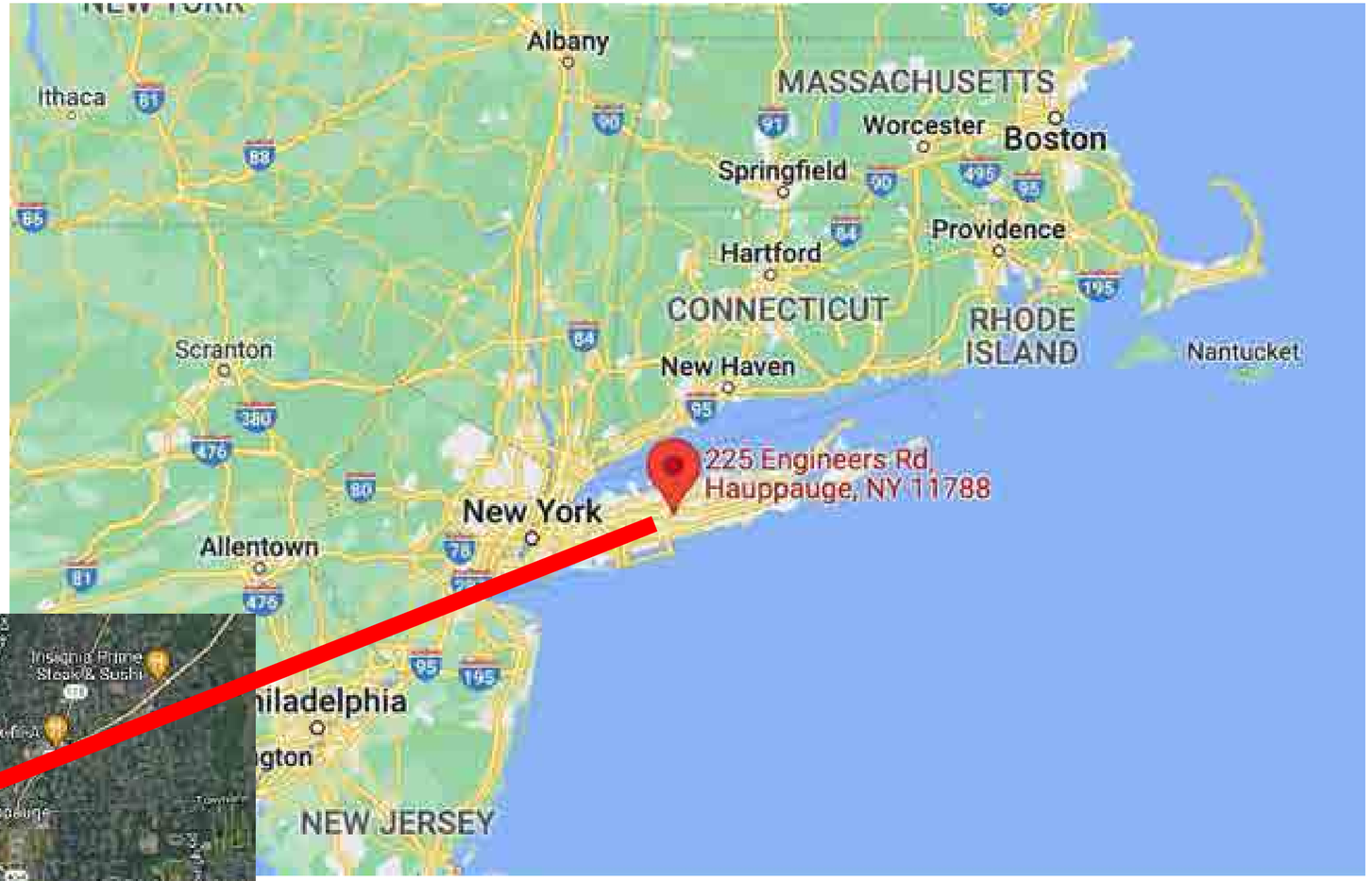
225 ENGINEERS RD - HAUPPAUGE, NY 11788
(631) 234-0100 WWW.FLUID-MECH.COM

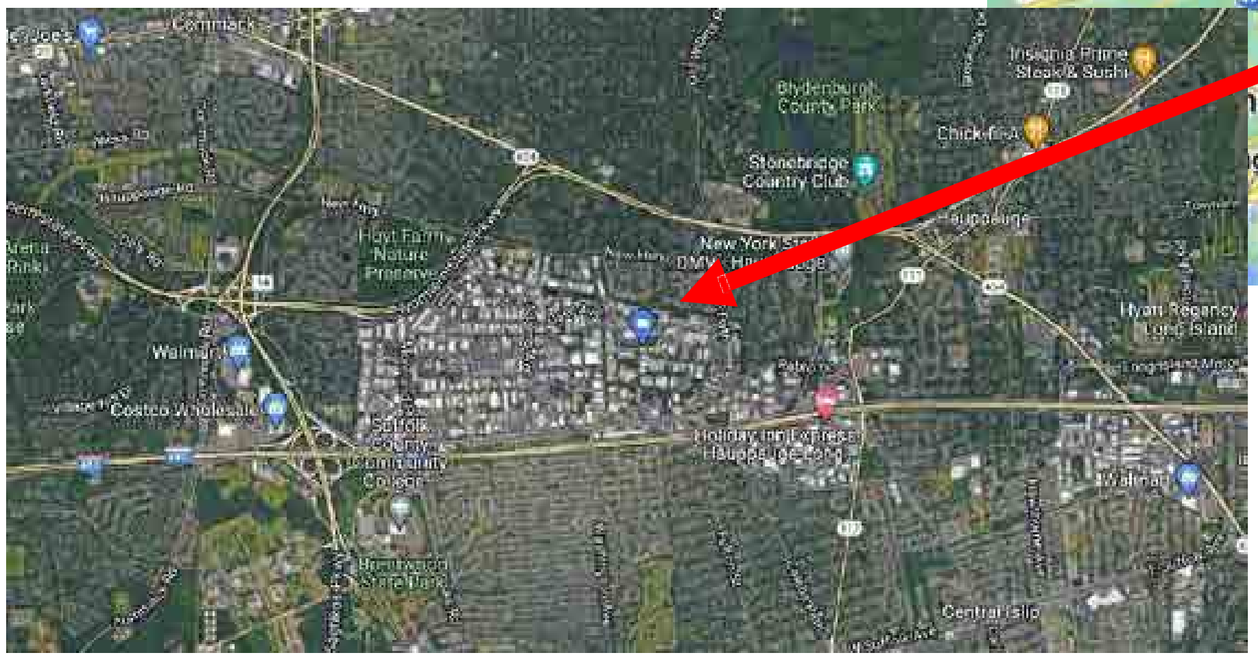
DDTC REG#: M46162
DUNS CODE: 118139584
UEI: YEZRPDLEJ2Z1

NAICS CODE: 336413
CAGE CODE: 92N01
DD2345 REG#:0086572

fluid mechanisms

Located in Hauppauge Industrial Park
2nd Largest Industrial Park In US
35 min east of New York Metro Area





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Guided Missile Structures

Dynamic Aerostructures

Complex Assembly

fluid mechanisms

Founded 1957		Employees	35		
Manufacturing	19	Quality	4	Engineering	4
Senior Management	4	Administrative	4		

Manufacturing Facility	45,000 ft²	
5 axis mill-turn	1 machine	max. 26" x 87"
5 axis vertical milling	5 machines	max. 72" x 165"
3 axis vertical milling	6 machines	max. 45" x 130"
4 axis horizontal milling	3 machines	max. 37" x 44"
3 axis horizontal turning	5 machines	max. 25" dia x 80" L

Mechanical Assembly	Detail Parts	Fasteners	Hole Expansion	
Bonding	Adhesive	Metallics	Epoxy	Electrical

SIKORSKY
A LOCKHEED MARTIN COMPANY

BOEING

EAGLEPICHER
TECHNOLOGIES

L3HARRIS™

PRECIPART

KAMAN

MAROTTA®

nqa
AS9100
AEROSPACE & DEFENSE

ITAR Registered
International Traffic in Arms Regulations

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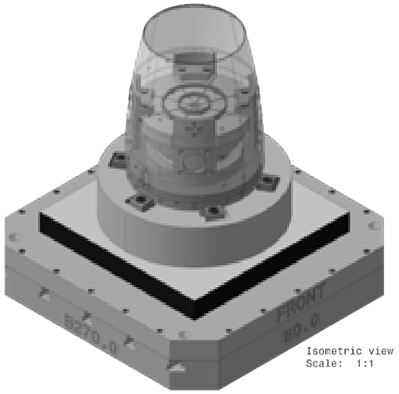
Manufacturing Technology

Fluid Mechanisms manufactures aerostructures and assemblies produced with advanced machining technology including NC programming platforms Catia V5 and Mastercam and verification platforms Vericut and PC-DMIS.

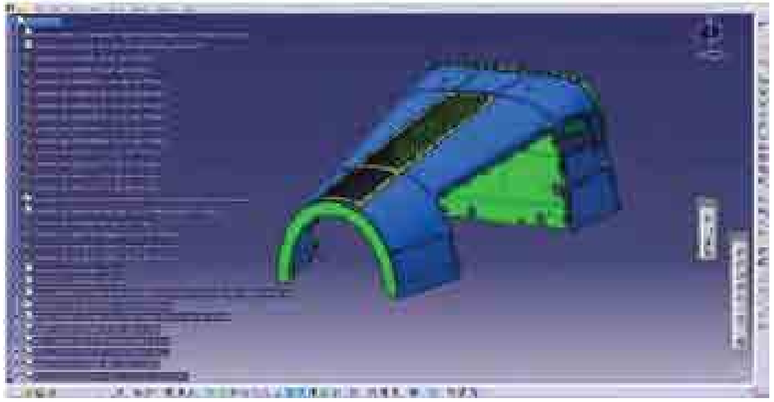
Fluid Mech is a large-format machining leader and uses 3, 4, and 5 axis machines to produce high-quality complex structures.

We welcome the opportunity to help solve your most critical challenges.

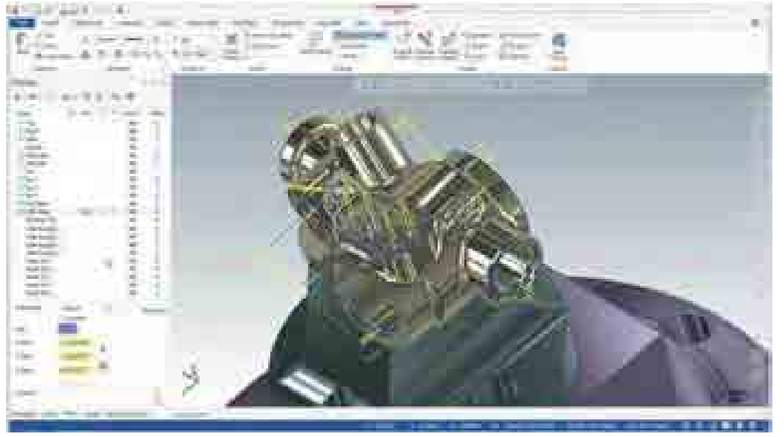
Hexagon CMM



CatiaV5



Mastercam



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Assembly

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

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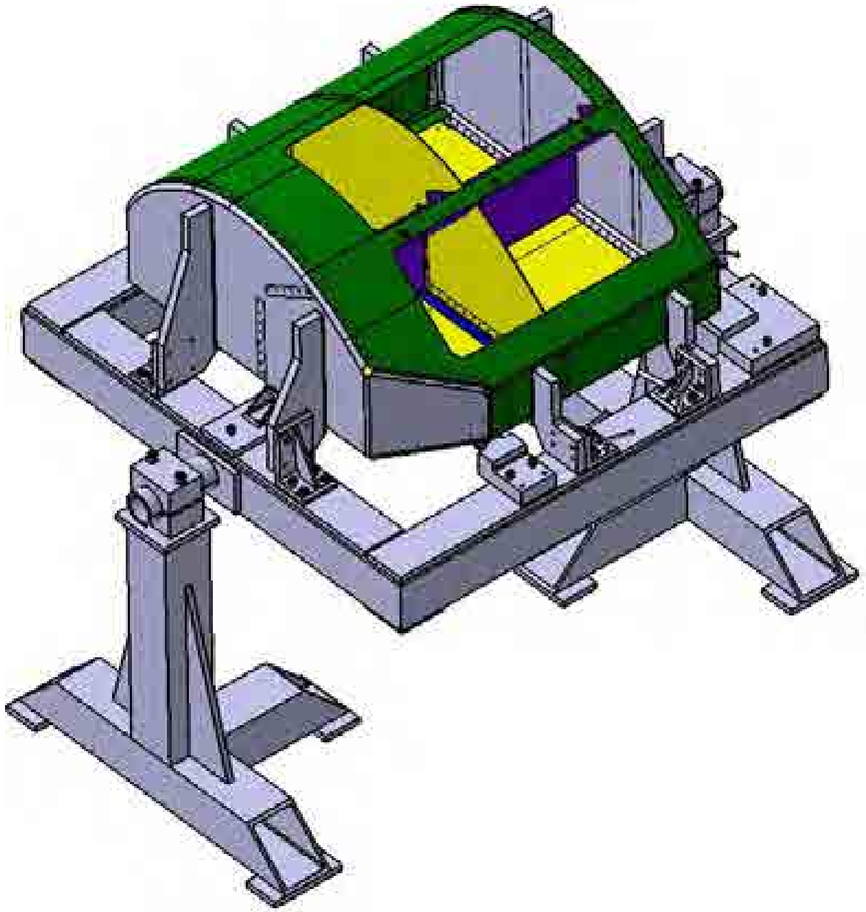
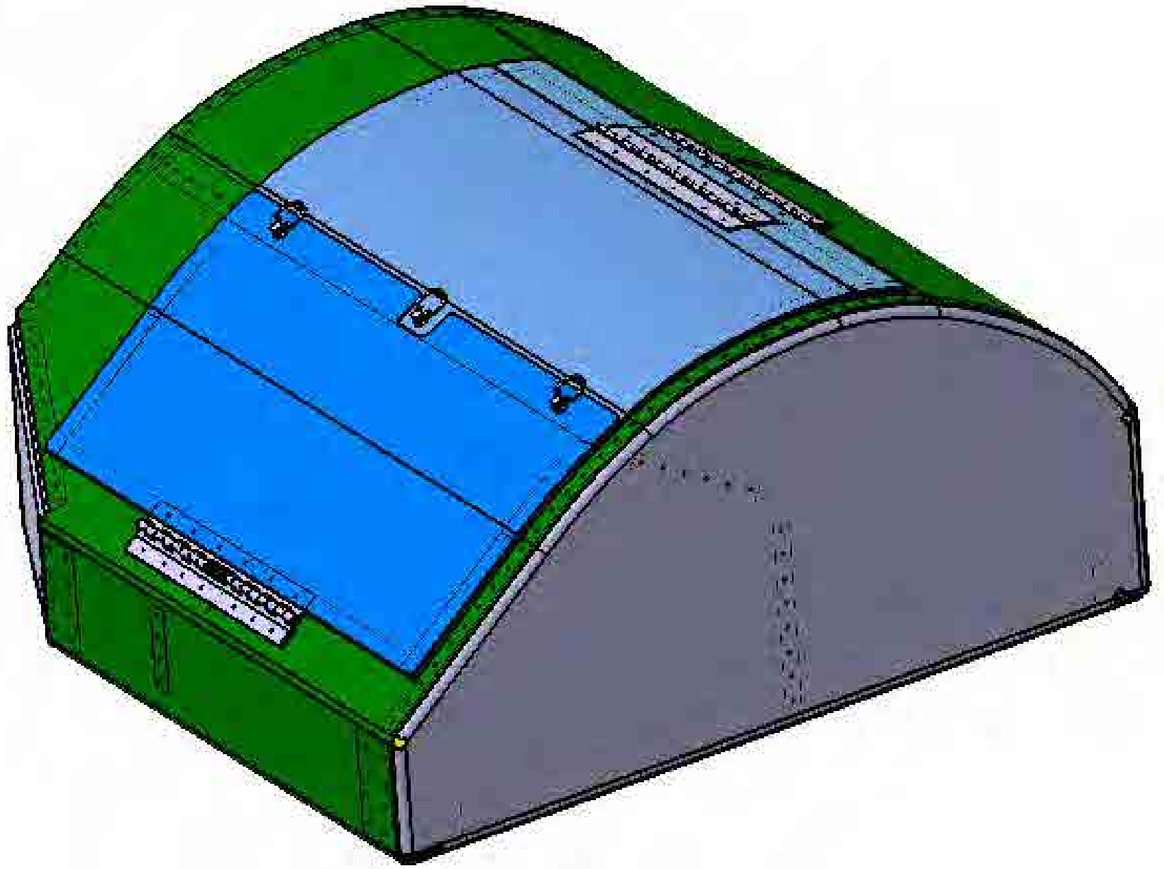
Complex Assembly





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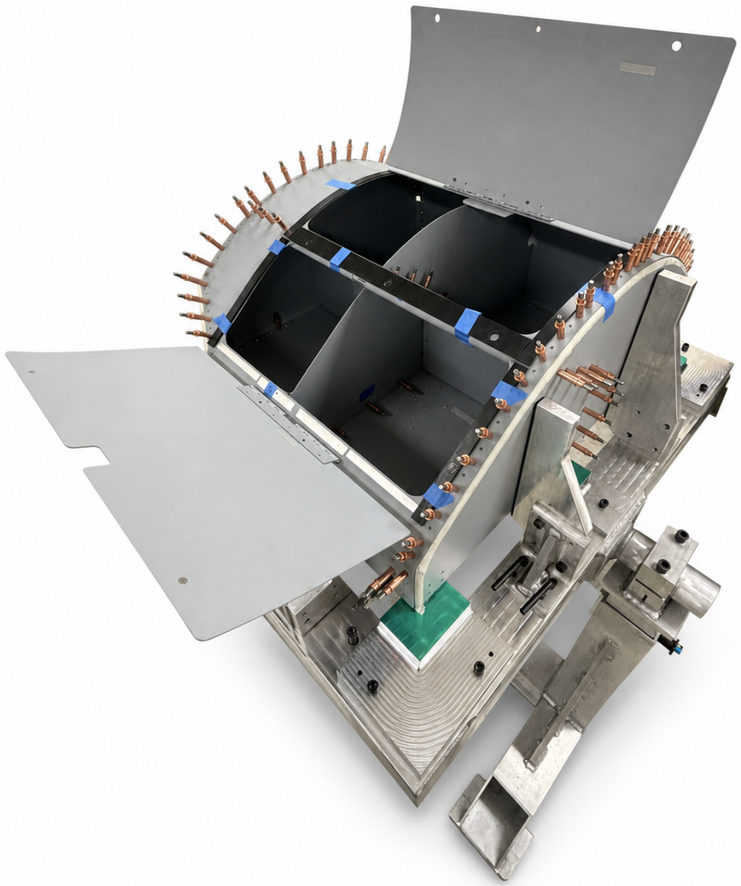
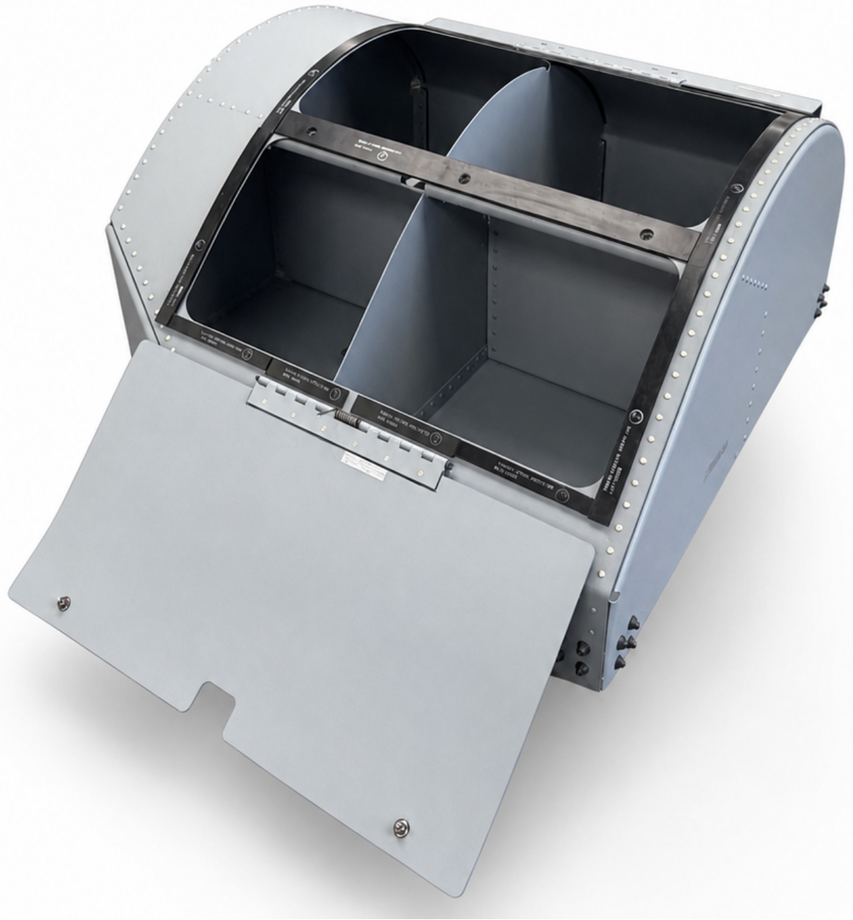
Complex Assembly





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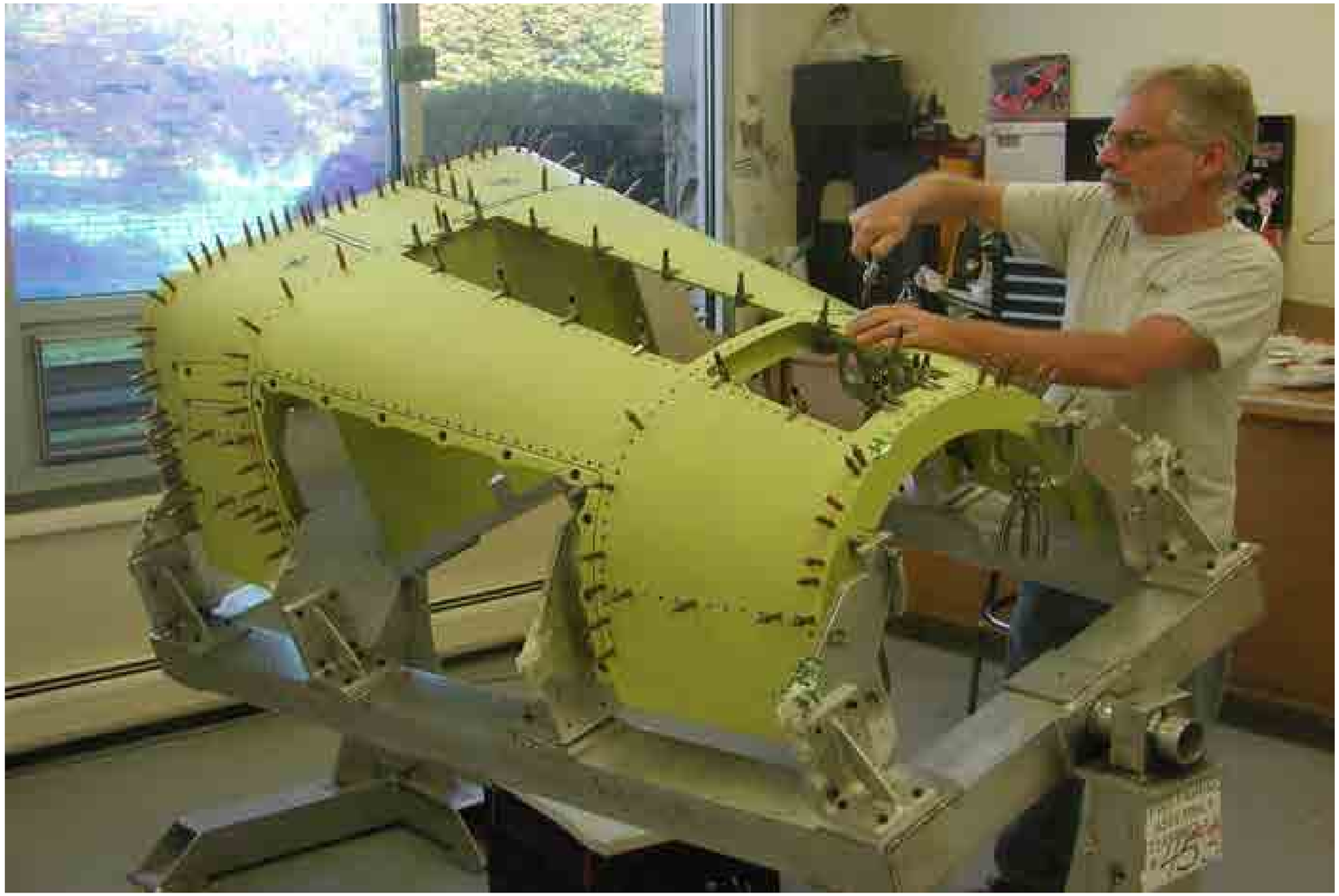
Complex Assembly



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Dynamic Aerostructures

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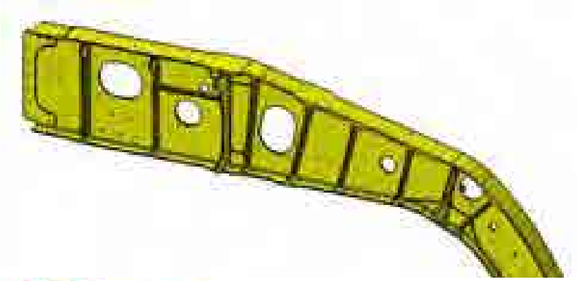
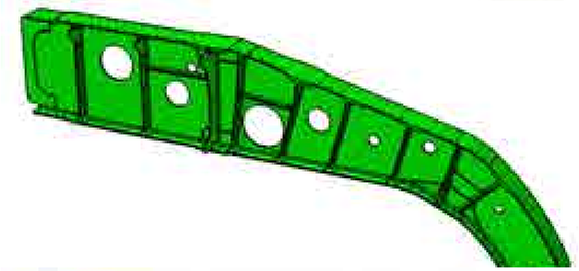
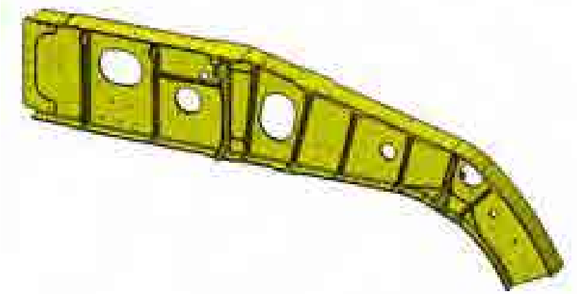
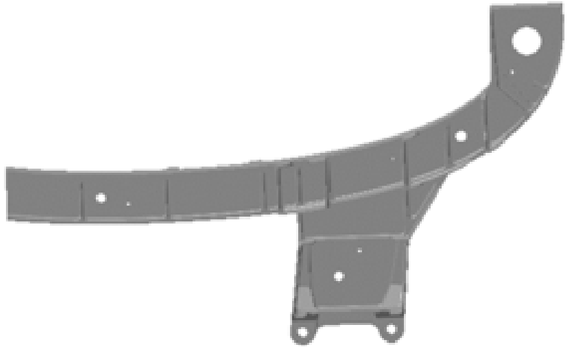
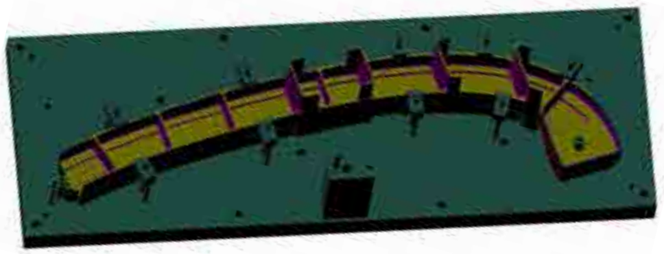
Dynamic Aerostructures











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Dynamic Aerostructures

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Guided Missile Structure

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Floor Panels

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Floor Panels

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Titanium Machined Parts

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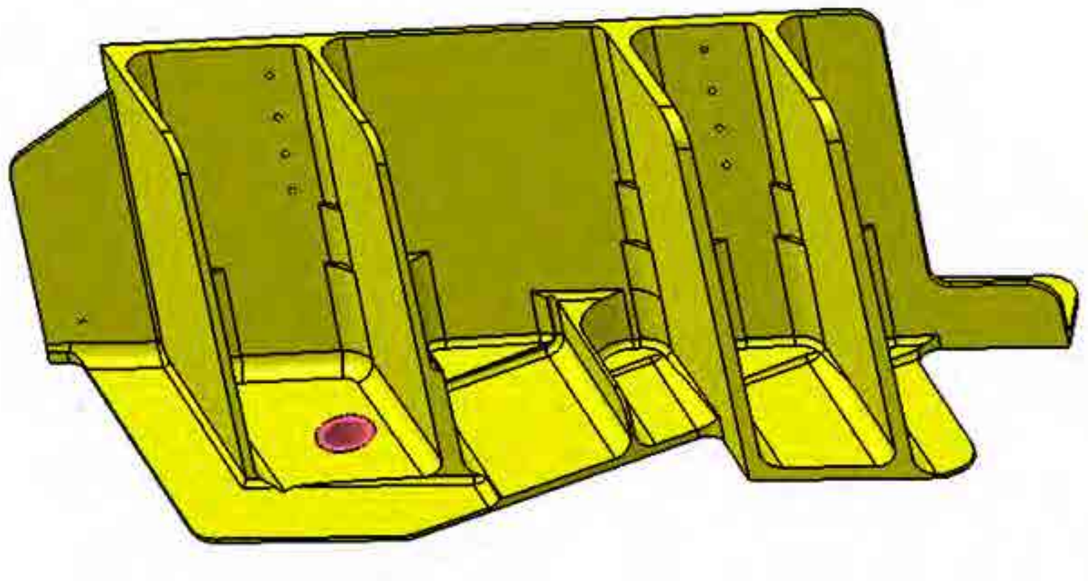
Titanium Machined Parts



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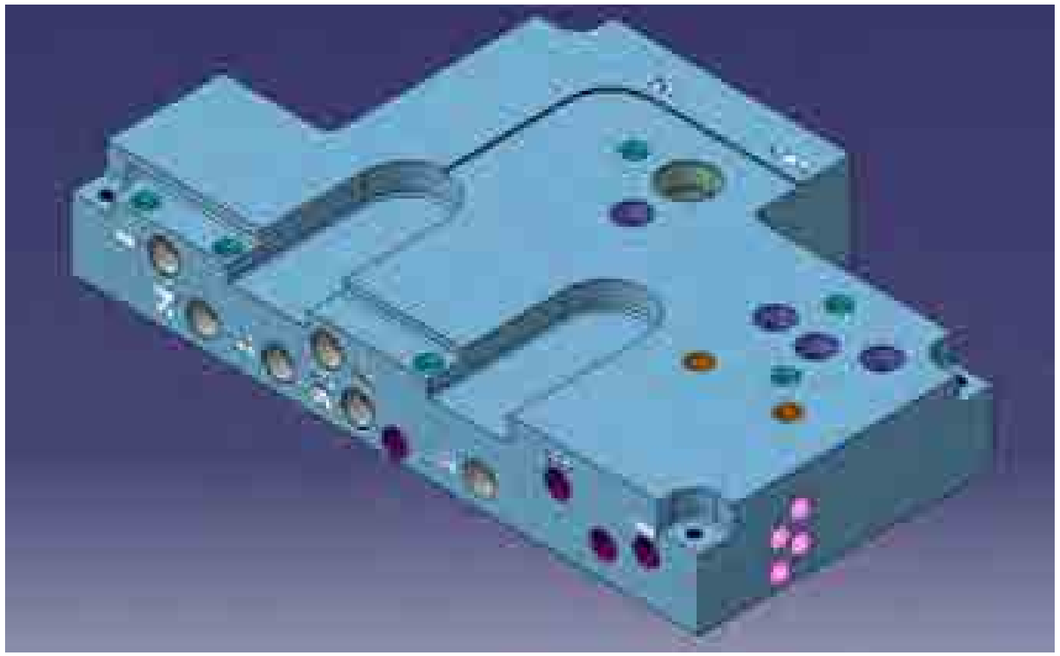
Ground Support



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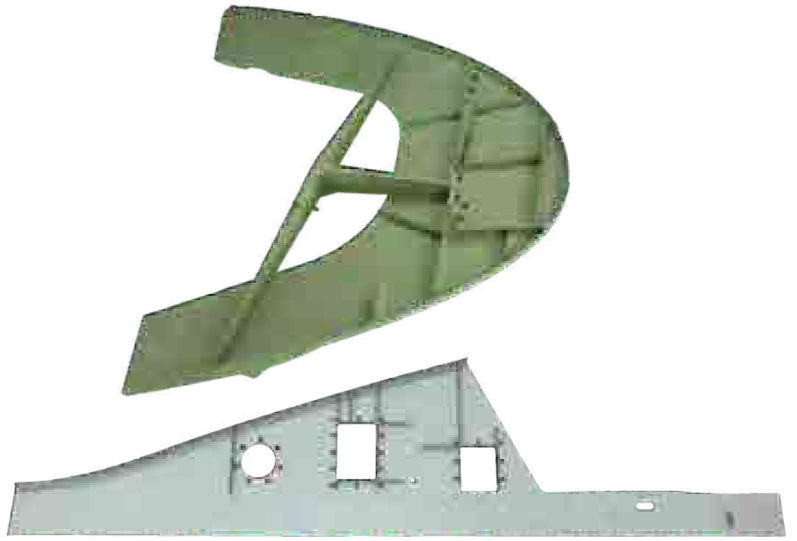
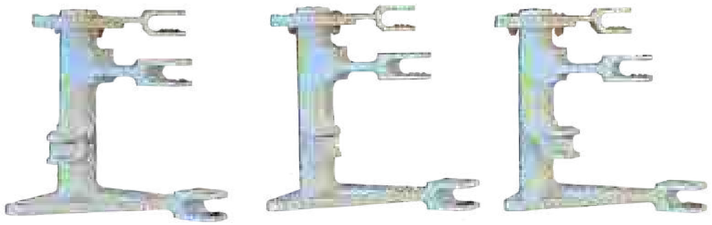
Monolithic Aerostructures & Assemblies

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



Guided Missile Structures & Flight Safety

Fluid Mechanisms is a leader in producing performance-critical content for defense and aerospace applications.



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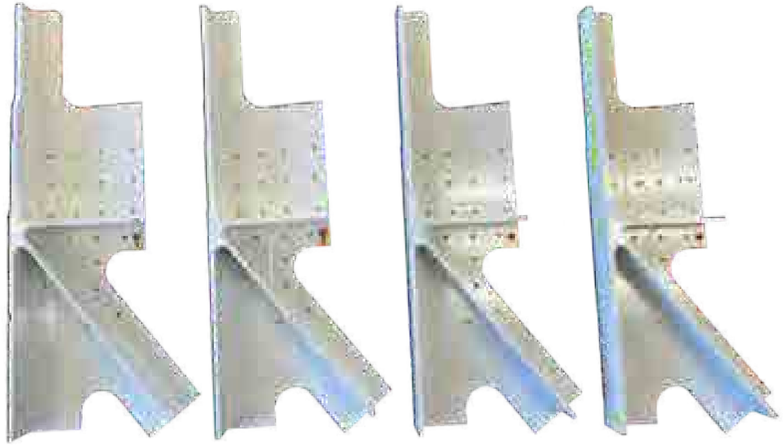
Machined Details & Assemblies



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HIA-LI
Advocating For Long Island Business

ADDAPT
Defense and Aerospace

IGNITE LI
The Manufacturing Consortium of Long Island

NAVAL & MARITIME NMC CONSORTIUM

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