



A DIVISION OF
GREEN4U TECHNOLOGIES, INC.



Our core competencies and expertise are design, engineering, product development, composite manufacturing, custom fabrication and machining.



“DeltaWing clearly has the expertise to solve problems, and it is immediately evident that they have the experts in place within their organization to do things the right way.

“Our experienced technicians and designers were very impressed with the extensive knowledge and willingness to quickly help us find a **solution to a complicated problem**, and we look forward to using their expertise in the future to expand our business in composite repair and manufacture.”

*Delta Composites and Manufacturing
Delta Air Lines, Inc.*

CAPABILITIES



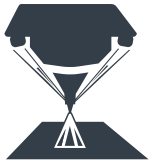
ENGINEERING

From defense to aerospace projects, our engineering team has developed many products and solutions using state-of-the-art integrated 2D/3D CAD systems such as SOLIDWORKS® and CATIA to better transform ideas into reality.



COMPOSITES

With a variety of manufacturing techniques and processes to choose from, our composites division is proficient in complex bonded assemblies, sandwich structures, composite tooling and high-tolerance parts. Whether prototyping a new product or providing full-scale production, we will deliver the superior results you expect from an industry leader.



MACHINING

Using state-of-the-art CNC equipment, as well as our more traditional manual lathes and mills, we will custom-tailor a winning solution to meet your specific needs. We have capitalized on our ability to quickly execute tight-tolerance projects, a skill learned from our motorsports background.



FABRICATION

Our fabricators have expertise in working with sheet metal and tubing of various material types including aluminum, structural titanium, and stainless and cro-moly steels. Using a mix of state-of-the-art and old-world techniques, our fabrication department has produced world-class components.




ASSEMBLY

DeltaWing Manufacturing will bring precision and accuracy into every final detail of your completed project. Beyond expert tooling and component manufacture, our technicians take pride in their ability to assemble and deliver finished products to our customer's complete satisfaction.



QUALITY ASSURANCE

DeltaWing Manufacturing's quality management system conforms to AS 9100 standards. We have procedures and equipment in place to ensure the requirements, expectations, and needs of customers are met and exceeded. Our quality objective is to deliver precision machined, fabricated, and composite molded components and assemblies on spec and on time with zero defects.



Great parts come from great tooling,
and great tooling comes from
great tooling companies.

INDUSTRIES

SINCE 1997,

DeltaWing Manufacturing has shown that results matter. From prototypes to production lines, we analyze and develop the best possible manufacturing process for each application to deliver the most cost-effective and technically superior solution possible. With expertise in composites and metal, tight tolerances, quality and strength, we have provided the technology, knowledge, and experience to create and deliver outstanding solutions again and again. By bringing our experience and innovation to the table, DeltaWing Manufacturing has worked on several high-level projects and diversified into a wide range of industries including medical, defense, SatCom, aerospace, transportation and sporting goods.

AEROSPACE

Tapping our decades of motorsports experience where precision can mean the difference between winning and losing and safety and catastrophe, we have perfected our composite mold-building capabilities and applied them to the aerospace sector. Whether built to customer print or implementing our own tool designs, composite tool-building is our expertise.

AUTOMOTIVE

Transportation efficiency relies on optimizing a vehicle's power-to-weight ratio. Simply put, we make things lighter so they can go farther. Our team of experts specialize in lightweight structures using light-yet-strong materials such as carbon fiber and other composites, aluminum and lightweight steel.

INDUSTRIAL

From medical and power-generation equipment to satellite communications and tooling, our experts can deliver top-quality solutions. Whether executing your design or providing turnkey solutions, we focus on creating customized solutions within budget and on time.



DeltaWing Manufacturing
prides itself on having the equipment
capable of producing top-quality
products and solutions.

EQUIPMENT

COMPOSITES

- 8' x 14' American Autoclave
150 max psi/450°F max temp
- 4' x 12' American Autoclave
150 max psi/450°F max temp
- 12' x 12' Grieve Walk-In Oven
450°F max temp
- 4' x 4' x 5' Grieve Oven
450°F max temp
- Gerber DCS 2500 Ply Cutter
6' x 22' cutting surface
- 24" x 24" Accudyne Heated Press
- Large 12' x 14' Walk-In Freezer
- Temperature-and-Humidity-
Controlled Clean Room

ENGINEERING

- State-of-the-Art Integrated
2D/3D CAD Systems such as
SOLIDWORKS® and CATIA

FABRICATION

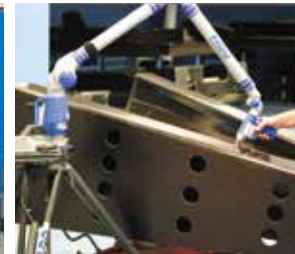
- Four Welding Stations:
 - MIG for steel and aluminum
 - TIG for stainless, mild steel,
cro-moly and aluminum
 - Argon
 - Brazing
- Spot-Welding Machine
- 8' Hydraulic Shear
- 40-Ton Hydraulic Press
- Two Fly Presses
- 48" Brake
- 36" Sheet Metal Roll
- Bead Roller
- Notcher
- Turret Punch
- Tube Bender - 2.5"
- Tube Roller for
"Air Foil" Shapes

MACHINING

- Haas VF4SS CNC Machining Center
50" X by 20" Y by 20" Z travel with 4th axis rotary
- Haas VF4 CNC Machining Center
50" X by 20" Y by 20" Z travel
- Haas ST-20 CNC Lathe
50" X by 20" Y travel with 8" chuck
- Jet Edge Waterjet
60" X by 96" Y by 12" Z travel
- Various Manual Lathes and Mills

QUALITY

- FARO ARM Platinum
Mobile Coordinate Measuring Machine
- Mitutoyo CMM
Coordinate Measuring Machine
- Optical Comparator
- MAGNAFLUX
Mag Particle
- Hardness Tester
- Numerous Handheld Inspection
and Measuring Tools and Devices





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