



## Your Edge When It Matters Most

APEX Space & Defense Systems includes three expert business units – Advanced Composite Products & Technologies (ACPT), All American Racers (AAR) and Unitech Composites (Unitech) – each with more than 40 years of experience in composite manufacturing.

Since 1965, AAR has specialized in high-performance, advanced composite structures for the aerospace, defense, motorsports and commercial industries. Its original focus was as a race car company, founded by Dan Gurney and Carroll Shelby. Before turning its sights on the aerospace industry, AAR designed and built 158 Eagle racing cars and employed 66 drivers with 78 victories, including the Indy 500. Today, AAR is a leader in high-volume, mission-critical, defense UAV programs. Customers trust AAR as a one-stop-shop for design, machining, fabrication, composites, assembly and validation testing.

The AAR Business Unit excels at working with customers from design inception through final delivery. Our engineering and new product development teams support material decisions, layouts, build processes, prototyping, tooling, testing and flight tests. Customers know our systems, equipment and capacity exceed the needs of their most demanding projects and programs.

## Empowering Your Success

As leaders in advanced composite manufacturing and design engineering, we work with you from the beginning to ensure your unique design and production needs are met.

- Material design and prototype fabrication
- Tooling design and manufacturing
- Process optimization
- CNC machining
- Complex Systems assembly, integration and test
- Precision metal fabrication, all metals, welding, forming and assembly

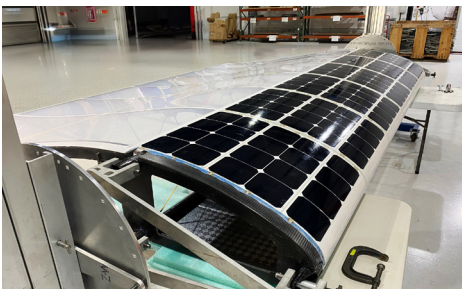


## Tested and Trusted

Supporting our warfighters while they are in the field is a critical responsibility. These brave men and women often rely heavily on unmanned aerial vehicles (UAVs) – aircraft that can be guided remotely and/or autonomously. UAVs provide real-time information, surveillance and reconnaissance without endangering soldiers. When constructing UAVs and their required parts, carbon fiber is the preferred material based on its unique strength-to-weight ratio.

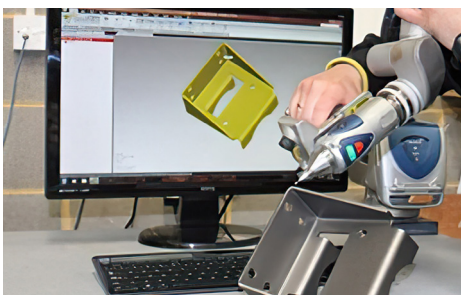
APEX's AAR Business Unit is recognized as an industry leader in high-volume, mission-critical defense UAV programs. Our products support the flight service, structural components and engine/battery compartments of two of AeroVironment's signature UAVs – the ultra-lightweight Puma™ LE (providing 6.5 hours of flight endurance) and the third-generation, lightweight Puma™ 3AE (providing up to 3 hours of extended endurance). Both Puma UAVs provide class-leading capability in challenging environments around the world.

Another area where AAR excels is producing specialized components and assemblies for Space applications. We produce landing gear legs for reusable rockets, Solar Panels, Satellite bus chassis, optical benches as well as large large gateway satellite dishes.



## Noteworthy Equipment

- 6 dedicated layup areas, totaling 60,000 sq. ft.
- 1 autoclave (up to 10' x 20')
- 12 ovens (up to 40' x 12' x 12')
- 3, 4, and 5-axis CNC machines (5-Axis DMS up to 10' x 30 x 6')
- Laser tracker and FARO inspection capabilities



## About APEX

APEX delivers world-class solutions for the space, defense and mission-critical infrastructure industries. We excel at composite and lightweight material manufacturing from design through full-rate production. Our innovation, quality, integrity and partnership drive the products that protect our nation, connect our world and explore our universe.

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