



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 1977, ACPT has been a recognized industry leader and innovator in the design and manufacturing of advanced composite applications for research, commercial, government and private institutions. It was the first to design and manufacture high-performance composite driveshafts for the motorsports industry. Since then, the company has produced successful, specialized applications for space, aviation, defense, professional motorsports, marine, converting, drilling and Class 7/8 trucking.

The ACPT Business Unit focuses on filament wound technical solutions for composite components and assemblies. Customers depend on our expertise in product design and development, from determining the material and weave orientation/alignment to prototyping and high-volume production. They 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
- Filament winding
- CNC machining
- Patented double bond for best in industry metal/composite bonding
- Prototype/Development and High Rate Production Facilities
- 75,000 sq. ft. of manufacturing space between California and Wisconsin

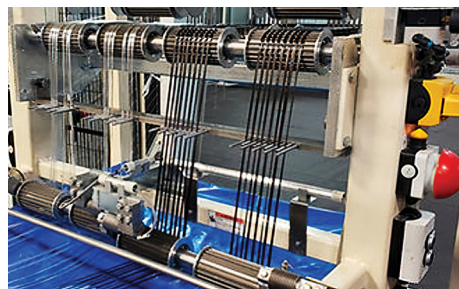
Tested and Trusted

In extreme environments and when pushed to the limit, traditional metal driveshafts fracture. This causes breakdowns, potential accidents and even injuries from the lethal force unleashed on the chassis and any passengers. However, carbon fiber driveshafts simply disintegrate when compromised, providing added safety while offering many performance benefits, including lighter weight, higher torque rating, higher critical speeds and superior fatigue and vibration dampening.

Testing confirms that APEX carbon fiber driveshafts meet the demanding requirements of military vehicles, heavy vehicles and racing cars. Our carbon metal bonds are the strongest components in the driveshaft system. In addition, APEX carbon fiber driveshafts are a one-piece solution that allows for direct replacement with no modifications. These attributes have made APEX's ACPT Business Unit one of the largest suppliers of composite drive shafts for light defense vehicles, such as the U.S. Army's Joint Light Tactical Vehicle, and marine landing craft, such as the U.S. Navy's Landing Craft Air Cushion.

Noteworthy Equipment

- 7 wet filament winders (up to 420" length x 54" diameter)
- 3 and 4-axis CNC machines
- 11 ovens and 1 autoclave



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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Simon Shackelton

VP Business Development
sshackelton@apexsds.com
(206) 890-9515

Rob Barnett

Director Business Development
rbarnett@apexsds.com
(316) 677-7169

Advanced Composite Products & Technology (ACPT)

15602 Chemical Lane, Huntington Beach, CA 92649
(714) 895-5544