

Complex Conventional Composites

What does AEC do? Blend non-conventional techniques – including contour and steered preform weaving, liquid/resin transfer molding, and integrated part design – with conventional composite structures to produce parts for performance-driven applications.





Albany Engineered Composites' (AECs') complex conventional composites blend more conventional technologies, such as 2D/ laminated composite and sandwich structures, with processing techniques not often used in conventional composites, including RTM/liquid resin molding and integrated part design. We can also combine 3D reinforced composite preforms into parts for added performance when applicable. Samples of these parts that AEC has helped design and/or manufacture include aircraft engine components, splitters, spinners, ducts, over wing enclosures, aircraft ganged panels, pack boards, and larger components such as a 90-inch diameter payload fairing produced for a rocket application.

Product Development & Manufacturing Approach

- Parts go through a product development phase to ensure we identify the most producible and cost effective manufacturing approaches prior to entry into production
- New product lines and installations can enter into in both our Rochester, New Hampshire (USA) and Boerne, Texas (USA) facilities
- AEC has the capability to design, install, and manage the operation of dedicated production spaces within our customers' facilities when appropriate



AEC's Boerne, Texas facility, where many of our complex conventional composites are manufactured

About Albany Engineered Composites (AEC)

AEC designs, develops, and manufactures advanced composite components. Our core strength is the ability to produce highly tailored components – including 3D, integrated, and complex 2D composite structures. We have specialized research and technology facilities for new technology development and prototype demonstration, as well as integrated product development, continuous improvement, operational excellence, and AS9100C and ISO 9001:2008 manufacturing capabilities to support cost-effective production efforts.



112 Airport Drive
 Rochester, NH 03867 USA
www.albint.com/aec
 Email: aec.busdev@albint.com