



carbon by design

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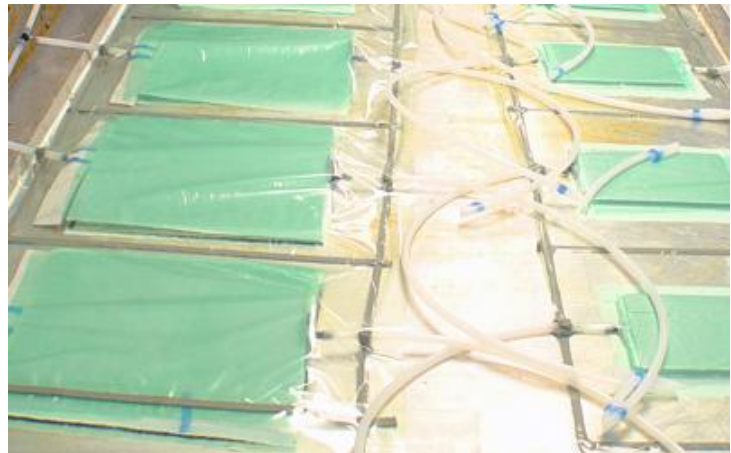
Carbon by Design – Advanced Infusion/RTM Processes

Carbon by Design is the manufacturer of high quality composite materials; focusing primarily in Aerospace and Transportation manufacturing. In 2004 Carbon by Design patented its unique manufacturing method to offer vacuum quality carbon fiber composites which do not suffer from common visual flaws seen in the VARTM process. By serving as a solutions provider, Carbon by Design offers full design and modeling services, prototyping, R&D & manufacturing capabilities. Facilities in Oceanside California include space for dedicated R&D, dry materials lab, and production.

Larger facilities acquired in Late 2005 and a more dynamic inventory has allowed Carbon by Design to provide production and prototyping services to the Defense Industry. As a registered federal contractor, Carbon by Design is well versed in the federal R&D contracting and regularly delivers field ready equipment with development times as little as sixty days.

As a recognized industry leader in infusion and especially difficult injection processes; Carbon by Design has become recognized for its ability to delivery difficult components with incredibly short lead times. Successfully completed projects for customers such as UC Berkley,

Laurence Livermore Labs, US Navy, DOE, and US Army, have expanded Carbon by Design's disciplines from Infusion to High Temperature Cynate Ester Prepregs. Our intimate familiarity with FAA procurement procedures allow for rapid generation of samples for FAR flame and FAA primary structural testing.



FAA Qualification testing for Infusion Laminates used in primary aircraft structures, using PLC controlled infusion Equipment.

Carbon by Design's current markets include aerospace tooling and manufacturing services, dedicated manufacturing and prototyping units, as well as a full desktop to tool capability. Current product lines include, defense, command &



Carbon by Design RTM/Infusion Lab for Advanced Composites and FAA Certified Materials.

control structures, motor sports, bio-medical, precision miniatures, and tooling design services. In addition to its stateside facilities Carbon by Design maintains an additional manufacturing facility in East Asia, for production items with quantities in excess of 2K units. Regular shipments and a well coordinated logistics system keeps our partners well informed and large scale production costs to an absolute minimum.

Late 2005 completed on the acquisition of AeroTool Inc. AeroTool will continue its innovative path in custom equipment manufacturing and bring several new pieces of equipment to the Carbon by Designs Equipment Line.