

08.22.11

## **QUATRO COMPOSITES™ ANNOUNCES NEW OUT-OF-AUTOCLAVE MOLDING PROCESS**

Orange City, IA - Quatro Composites™, a leader in design and fabrication of advanced composite structures, has finalized development of an out-of-autoclave process which it has named PAC molding (Pressure Actuated Cauls). PAC molding is an autoclave equivalent process (time, temperature, pressure), which gives the engineering team the ability to use a database of design allowables.

"PAC allows for hard tooled surfaces to be achieved on all surfaces of the part. Hard tooling surrounds the molded part and consolidation is obtained through movement of individual pieces of the tool under the application of pressure and vacuum." explains Rob Westberg, "The PAC process integrates heat, pressure and vacuum directly into the part molding tool itself allowing for out-of-autoclave single piece flow production and efficient LEAN manufacturing." Operating costs are less than autoclave where heat goes into the tooling and not the autoclave structure and pressurized nitrogen.

The PAC molding process is currently being evaluated for use on the A350 and GTF programs, and also recognized by the FAA as a primary composite structure fabrication process.

*Quatro Composites™, a wholly owned business of Tec Industries, LLC, is an Iowa-based advanced manufacturer offering a full line of services from design, analysis, prototyping and production of advanced composite products. Quatro manufactures and engineers products for the aerospace, military / defense, industrial and medical markets. The business operates in two locations, Orange City, Iowa, (Headquarters, Manufacturing & Distribution) and Poway, California (Technical Development Center). For further details, visit us at [www.quatrocomposites.com](http://www.quatrocomposites.com).*

### **FOR FURTHER INFORMATION**

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