

Kanfit Delivers To Customer Radome Prototype Produced in Autoclave

Migdal HaEmek, Israel (September 20, 2016)—Kanfit Ltd. announced today that it has successfully completed a 3 meter long radome (radar dome) prototype for satellite communications applications for flying platforms. The prototype was manufactured in autoclave using quartz epoxy prepreg materials.

Mechanical and physical tests on the prototype were performed at Kanfit's in-house laboratories prior to its delivery to the customer.

“We were approached by the customer due to our track record with composite materials,” said Shai Fine, General Manager of Kanfit. “Thanks to our experience, we have been able to successfully extend our composite manufacturing capabilities to manufacture radomes in autoclave. This continues our long tradition of radome manufacturing by RTM and wet layup.”

“It was a complicated project with many variables—from design to models and tools to prototype,” explained Mr. Fine. “There were multiple issues that needed to be addressed related to the radome's physical, mechanical and electrical properties which significantly affect its performance, Together with the customer we were able to understand and overcome these issues within a short period of time.”

The radome prototype is currently undergoing final testing, and once completed, serial production is expected to begin in Q4.

Kanfit is a leading manufacturer of primary and detailed parts, sub-assemblies and ready to fly assemblies made from composite and metal materials for the aerospace and medical device industries. Kanfit recently added autoclave and 3D additive manufacturing processes, and is currently developing other technologies, including automated fiber placement (AFP) and robotic filament winding of closed frames to its manufacturing processes.

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