

Bombardier picks Coriolis to supply fiber placement systems

Coriolis Composites of Queven, France, reported in mid-January that it has been awarded a contract by Bombardier Aerospace (Toronto, Ontario, Canada) to supply automated fiber

placement robots for the manufacture of composite parts for Bombardier's CSeries aircraft aft fuselage.

Coriolis Composites makes fiber placement systems that, essentially,

comprise a fiber placement head at the end of an articulating robot arm. The company previously had developed automated fiber placement systems based on robotics for the aircraft programs of several original equipment manufacturers in Europe. The use of standard robotic components as a basis for fiber placement equipment makes the system economically attractive and flexible with respect to machine tool-based systems, Coriolis reports.

Bombardier's CSeries aircraft, expected to enter the market in 2013, will feature two variants. The 114-ft/34.7m CS100 design seats 100 to 125 passengers; the 124-ft/37.8m CS300 design seats 120 to 145 passengers. Both aircraft reportedly will make significant use of composites in the fuselage and wings. The carbon fiber composite wings will be manufactured via resin transfer molding (RTM) at a new 600,000-ft²/55,742m² Bombardier facility in Belfast, Northern Ireland, which is expected to begin operations this year.



Source: Bombardier

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