GULFSTREAM G700 SURPASSES TESTING MILESTONES, SPEED AND ALTITUDE LIMITS

News / Business aviation, Manufacturer

Gulfstream G700 flight-test program is making progress with a number of accomplishments in testing and performance. The G700, introduced in October 2019, boasts the industry's most spacious cabin with the highest speeds at the longest range. The G700 has flown more than 100 test flights, recently completed company flutter testing and expanded the flight envelope at both high and low speeds. As part of Gulfstream's testing efforts, the aircraft also flew beyond its maximum operating speed and cruise altitude, reaching Mach 0.99 and an altitude of 54,000 feet/16,459 meters. In typical operations, the G700 has a maximum operating speed of Mach 0.925 and a maximum cruise altitude of 51,000 ft/15,545 m.

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“These accomplishments at this stage in flight test point to the impressive maturity of the G700 program,” said Mark Burns, president, Gulfstream. “We designed and developed the G700 for our customers to fly safely, securely and efficiently while enjoying the same level of comfort as they do on the ground. With the largest galley in the industry, the utmost in technology, and the finest, freshest cabin environment, the G700 unlocks new opportunities in business-jet travel.”

With 100% fresh, never recirculated air, an industry-leading low cabin altitude, whisper-quiet noise levels, and the option for the industry’s only true circadian lighting system, the cabin on the G700 boosts wellness and rejuvenates passengers. The cabin also features 20 Gulfstream panoramic oval windows in up to five living areas and the Gulfstream-exclusive ultragalley with more than 10 ft/3 m of counterspace, as well as a master suite option with stand-up shower.

The G700 is powered by Rolls-Royce Pearl 700 engines and can fly at its high-speed cruise of Mach 0.90 for 6,400 nautical miles/11,853 kilometers or at its long-range cruise of Mach 0.85 for 7,500 nm/13,890 km. The G700 also includes the Gulfstream Symmetry Flight Deck™ with the industry’s only electronically linked active control sidesticks; the most extensive use of touch-screen technology in business aviation; and Gulfstream’s award-winning Predictive Landing Performance System.

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