



UAC COMPLETED THE CONSTRUCTION OF THE MC-21-300 PLANE WITH RUSSIAN COMPOSITE WING

News / Manufacturer



Irkut Corporation (part of the United Aircraft Corporation of Rostec State Corporation) has completed the construction of the first MC-21-300 aircraft with a Russian-made polymer composite wing. On November 29, 2021, the aircraft was transferred from the final assembly shop of the Irkut Corporation's Irkutsk Aviation Plant to the flight test division. Specialists of the plant and related enterprises are to carry out the ground checks program for the aircraft and its systems to prepare the aircraft for its first flight.

The development and production of Russian polymer composite materials for the MC-21 wings was started following the imposition of trade restrictions against the Aerocomposit by the US in September 2018.

The share of composites in the M²-21 design is about 40% - a record figure for medium-range aircraft. The domestic materials for the composite load-bearing structures have been developed with the participation of the scientists from Moscow State University and enterprises of Rosatom. Outer wing panels and wing center section of the MC-21-300 aircraft are produced by the "AeroComposit-Ulyanovsk" enterprise. The Russian patented

technology of vacuum infusion is applied for the wing production.



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