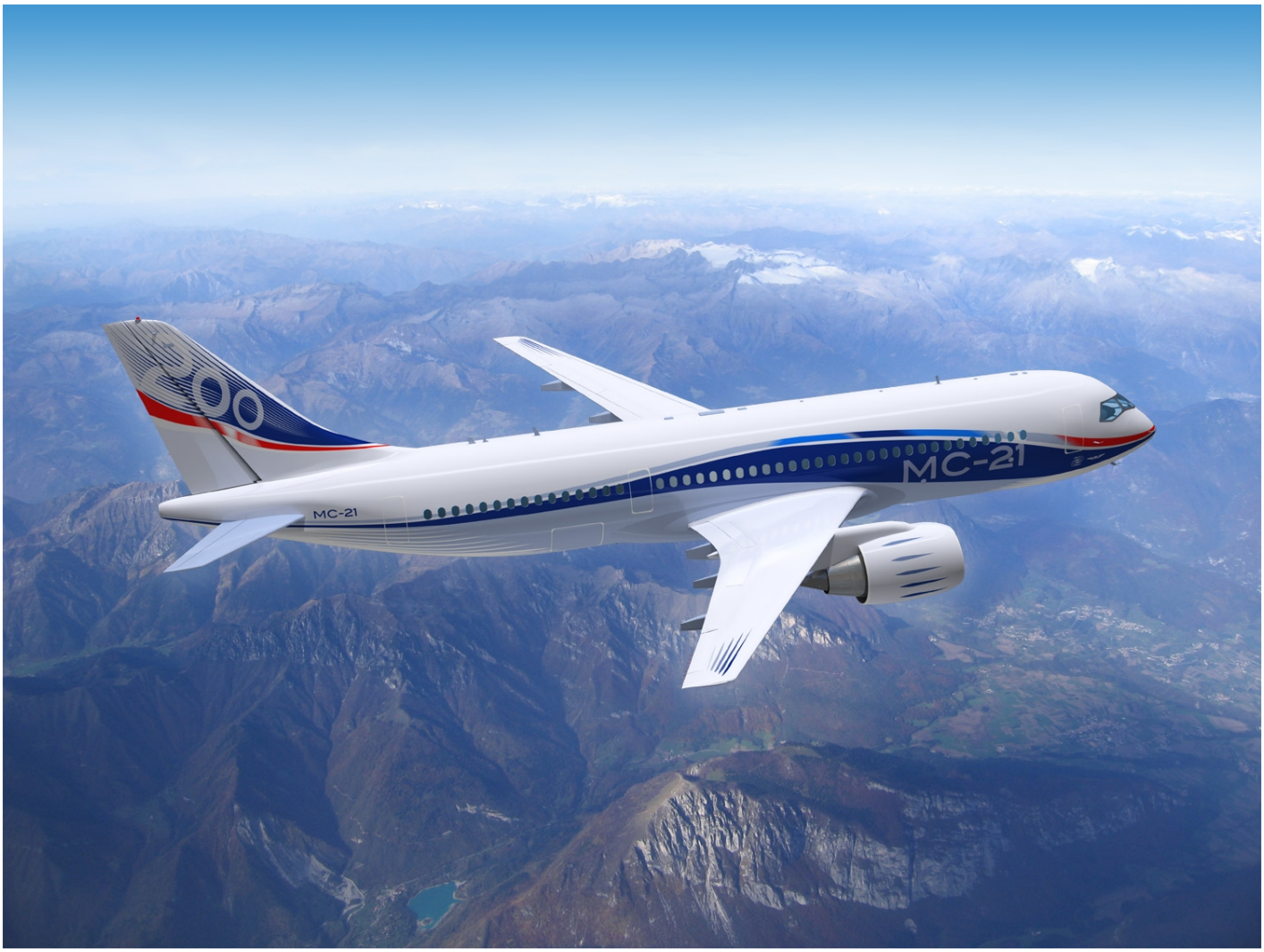
AEROCOMPOSIT CONTINUES TESTING OF COMPONENTS OF MS-21 AIRCRAFT

News / Manufacturer



The test laboratory of **AeroComposit continues** testing of prototypes cut from components and companion panels, manufactured in the network of a project for development of composite wing for **MS-21** passenger short- and medium-haul aircraft, i-Mash reports.

We remind you that wing panels, drainage tanks, spars and panels of the fuselage's center section are manufactured using a vacuum infusion technology (automated systems are used for placing a dry carbon material (filler) at the Ulyanovsk-based enterprise). Components of MS-21's high lift devices are manufactured by a Kazan-based plant using an autoclave molding technology on the basis of a prepreg.

In the course of the testing mechanical properties of the material are defined and its structure is inspected. Earlier similar works were not carried out, because there were no load-carrying components of a wing manufactured using the infusion technology. Resistive-strain sensors and

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video-extensometers are used during testing. AeroComposit develops corresponding procedures for these tests. Earlier a group of specialists from the test laboratory of AeroComposit completed “Static tests of aircraft” and “Installation of Resistive-strain sensors” training courses at the Corporate University of TsAGI; the courses included theory and practice.

At present results of these tests confirm the claimed properties of the material and stability of manufacturing process. In future the obtained parameters will be used to confirm compliance of the components with the requirements of certification standards.

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