



FLARIS LAR 1 jet tests under way. Pilot cabin ready for take-off

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The landing gear of FLARIS LAR 1 is in the final stage of development. The pilot cabin, however, successfully completed testing and is fully prepared for test flights. Resonance tests of the plane have also been completed, as well as tests of the hydraulic system. Once all on-ground testing is finished, the jet will make its first flight.

Additional equipment was installed in the cockpit for flight tests, including an additional EFIS control panel and a flight data recorder. The landing gear of FLARIS LAR 1 was also tested. Among other things, the proximity sensors were tested, which transmit the position of the landing gear to the multifunction display in the pilot's cabin.

Also resonance tests of the plane were finished. They were performed in August this year in the factory of the manufacturer – Metal-Master. The best Polish experts from the Aviation Institute in Warsaw tested the aircraft using portable testing equipment, including PRODERA exciters and the LMS measurement system.

- After consulting the Civil Aviation Office, we decided to perform the resonance tests before the aircraft's first flight. This decision was based on the very high cruise speed of the jet, i.e. 700 km/h, its low takeoff weight, glider-like properties and its unusual airframe configuration – explained Rafał Ładziński, the head of the R&D and the FLARIS project. - In cooperation with scientists from the Institute of Aviation (ILOT) we modified our static load testing facility to perform resonance tests, which were carried out on the complete plane with a retracted landing gear, but without fuel (due to safety considerations) – he added.

In May, the hydraulic system of FLARIS LAR 1 was tested. A special construction called „Iron bird” was designed for these tests. It represented the actual placement of the systems in the real aircraft.

FLARIS LAR 1 is a single-engine jet with a light-weight composite structure. It belongs to a new category of small business jets, which are ideal for those who need to travel quickly for business or leisure. It combines opposing characteristics: the ease of flying, which is typical for ultralight planes, and performance typical of jets: speed and range. The worldwide innovative solutions implemented in the plane structure are protected by 8 patents obtained by the Metal-Master company, which manufactured this innovative aircraft.

For more information and photographs, please visit the website: www.flaris.pl and www.facebook.com/FlarisLar1; Contact: press@flaris.pl

FLARIS
zespol Flaris LAR 1 / METAL MASTER



Metal-Master
ul. Nowa 4
58-562 Podgórzyn
POLAND

T: +48 75 75 50 601
F: +48 75 75 50 602
E: kontakt@flaris.pl

www.metal-master.pl
www.flaris.pl
NIP: 611 118 31 71

Deutsche Bank PBC S.A. / zlotowkowie
44 1910 1048 2403 0158 3330 0001
Deutsche Bank PBC S.A. / waltowowe / SWIFT: DEUTPLPK
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