

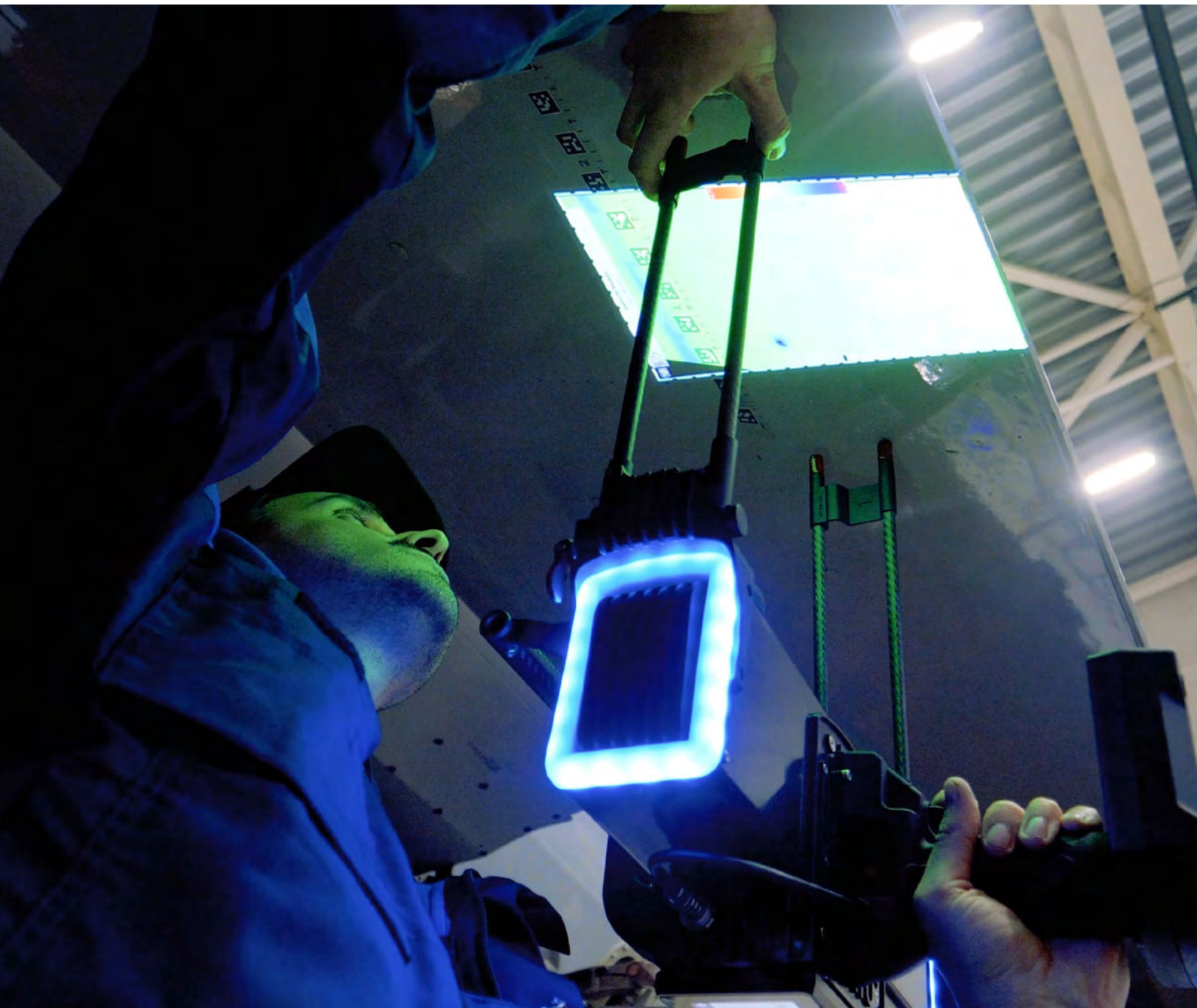
Case Study



Control Surface Inspection at FL Technics



dent ✓CHECK[®]



CUSTOMER OVERVIEW

FL Technics is a global provider of aircraft maintenance, repair, and overhaul (MRO) services that supports airline operators with the inspection and repair of aircraft structures and components. As part of routine maintenance visits, the team regularly documents damage on composite control surfaces such as flaps and spoilers.

CHALLENGE

On composite surfaces like flaps and spoilers, technicians often encounter clusters of small dents, many caused by debris picked up by the aircraft's wheels. Measuring the dent dimensions, as well as depth and distances to adjacent damages and structural elements with manual tools, takes full working days and still leaves variability in the results.

SOLUTION

To streamline these inspections, FL Technics uses dentCHECK to measure and report such damage clusters. The digital workflow helps technicians capture consistent, repeatable data without spending days on individual manual readings.

dentCHECK captures and documents large groups of dents quickly, producing a structured measurement report with more accurate readings of damage depth and affected area than typical mechanical tools.



Mindaugas Sapola,
Head of AMES and Workshops Unit

“dentCHECK significantly improves the way we perform damage inspections on composite control surfaces. It allows us to capture consistent, repeatable data much faster than with manual methods, while increasing confidence in measurement accuracy. At the same time, we are actively reviewing and expanding its use across different damage types to ensure a more standardized and consistent inspection approach.”



Arnas Latvenas, Structure
Engineer Base Maintenance

“dentCHECK really shows its value when groups of multiple damages must be reported. Using dentCHECK is approximately 60–70% faster than taking measurements with mechanical tools, while also providing more accurate measurements of damage depth and affected area.”

RESULTS

Compared with mechanical measuring tools, the team estimates dentCHECK is about 60–70% faster on multi-dent surfaces, turning what can be a full day of manual measurements on a single flap or spoiler into a substantially shorter task while improving consistency.

✓ Up to 70% Time-saving

✓ Increased Measurement Accuracy

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