



Press Release

VUELING IMPROVES EFFICIENCY OF AIRCRAFT DAMAGE INSPECTIONS USING 8TREE'S DENTCHECK® TECHNOLOGY

BARCELONA, SPAIN & RANCHO CUCAMONGA, CALIFORNIA – JULY 14, 2025

Vueling Airlines, a member of the IAG Group and one of Europe's leading low-cost carriers, takes a step ahead in the transformation of its aircraft maintenance processes adopting dentCHECK, the industry's only handheld-portable, OEM-approved inspection tool that delivers instant, accurate dent-mapping for aircraft surfaces, developed by 8tree.

This implementation marks an important step in Vueling's continued investment in digitalization and innovation across its maintenance operations. With dentCHECK, Vueling's engineering teams gain the ability to perform fast, accurate, and consistent assessments of surface damage, leading to reduced aircraft downtime and optimized maintenance decision-making.



Ferran Moret,
Head of Technical
Services at Vueling

At Vueling, we continuously pursue innovative solutions to support our commitment to safety, reliability, and operational excellence. dentCHECK provides our technicians with real-time, objective data, helping us improve both inspection accuracy and efficiency."



Leonard Buck,
Marketing & Business
Development Manager
at 8tree

We are proud to support Vueling's digital transformation goals and to contribute to the airline's efforts in modernizing its maintenance operations. dentCHECK enables frontline mechanics to inspect damage in seconds, delivering accurate results and driving faster return-to-service decisions."

dentCHECK delivers real-time, SRM-compliant dent inspections at the push of a button. By eliminating manual measurement methods that are often time-consuming and subjective, dentCHECK significantly reduces inspection time — by up to 90% — while enhancing consistency, traceability, and digital reporting. The technology is approved and recognized by major aircraft OEMs including Airbus, Boeing, and Embraer.

Vueling's adoption of dentCHECK reflects a growing industry trend toward data-driven MRO workflows and reinforces the airline's commitment to adopting solutions that elevate operational reliability and safety. The company is driving innovation across all areas of the business, including predictive maintenance, AI-powered personalisation, and the integration of smart technologies that improve the passenger and crew experience alike.

Learn how dozens of airlines/MROs are using dentCHECK by reading our [customer testimonials](#).

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reduces inspection time
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Vueling, a company within the IAG group, is a leading airline in Europe and a key player in connectivity across Spain.

It holds a leading position at its main base, Barcelona-El Prat, as well as in other significant Spanish markets such as Bilbao. It is also the main operator connecting mainland Spain with the Balearic and Canary Islands. Internationally, it continues to strengthen its presence at bases such as Paris-Orly and London-Gatwick. The airline operates a network of around 260 routes each year, connecting 30 countries. In 2024, it operated over 223,000 flights.

With more than 4,600 employees, Vueling is the only European airline to hold the Top Employer certification. The company is strongly committed to the decarbonisation of the aviation sector and, as part of the IAG group, has pledged to achieve net zero carbon emissions by 2050 through the implementation of the FlightPath Net Zero strategy.

True to its digital DNA, Vueling was the first airline to sell tickets through a mobile app and to offer a digital boarding pass with a QR code. The airline also has a team of over 600 people working at its innovation hubs in Barcelona and Zaragoza.

More Information:

Vueling

Communications Department: prensa@vueling.com

KREAB: vuelingcorpo@kreab.com / Aina Tugas +34 934 185 387



8tree tools, technology and services boost your production quality with precision 3D measurement that is as simple as taking a photo.

With integrated AR, dentCHECK empowers the aircraft technician with instant, actionable measurements for critical airframe damage while boosting consistency (25x) and efficiency (90% time-savings) and eliminating human-subjectivity, compared to traditional manual inspection methods.

For more information, visit www.8-tree.com

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Media Contact: marketing@8-tree.com

Leonard Buck +49 7531 891 4990 8

8TREE

Dallas, TX, USA
Constance, GER
Kuala Lumpur, MY

+1 408 813 0969
+49 7531 891 4990
info@8-tree.com

dentCHECK AS A SERVICE

+1 469 663 8237
dentmappingservice@8-tree.com

