

Press Release

dSPACE expands radar test portfolio

Automated Validation and Calibration of Radar Sensors in Production with New End-of-Line Test System

IMS2022, Denver, CO, June 19, 2022. dSPACE has expanded its range of Automotive Radar Test Systems (DARTS) and launched a solution for automatic end-of-line testing of automotive radar sensors. The new test solution was developed in cooperation with NOFFZ Technologies GmbH and helps ensure that radar-based driver assistance systems are reliable and precise.

The modern end-of-line test system will be used especially in high-volume production and is based on the compact antenna test range (CATR) method, which uses a parabolic reflector to generate a plane wavefront. This enables the calibration of sensors with a large far-field distance in a particularly compact setup. The test system therefore requires only a small footprint compared to conventional 'direct far-field' test systems.

In the extremely low-reflection absorber chamber, the radar sensor is calibrated with the support of the integrated radar target simulator. This is done in a predefined test sequence, during which the radar sensors are rotated around their radiation center in both the horizontal and vertical directions, using high-precision drives.

The test system is therefore particularly suitable for the calibration of modern radar sensors, such as 4-D radars and imaging radars.

“With a small system that delivers excellent signal quality and precision, manufacturers can now validate and calibrate their sensors right during production. With the expansion of its radar portfolio, dSPACE is becoming the automotive industry's comprehensive partner for radar sensor testing,” explains Dr. Andreas Himmler, Senior Product Manager for automotive radar solutions at dSPACE.

Learn more at the IMS 2022 show - dSPACE booth #2012.



dSPACE launches a solution for automatic end-of-line testing of automotive radar sensors.

About dSPACE

dSPACE is a leading provider of simulation and validation solutions worldwide for developing networked, autonomous, and electrically powered vehicles. The company's range of end-to-end solutions are used particularly by automotive manufacturers and their suppliers to test the software and hardware components in their new vehicles long before a new model is allowed on the road. Not only is dSPACE a sought-after partner in vehicle development, but engineers also rely on our know-how at dSPACE when it comes to aerospace and industrial automation. Our portfolio ranges from end-to-end solutions for simulation and validation to engineering and consulting services as well as training and support. With approximately 2,000 employees worldwide, dSPACE is headquartered in Paderborn, Germany, has three project centers in Germany, and serves customers

through regional dSPACE companies in the USA, the UK, France, Japan, China, Croatia, and South Korea.

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About NOFFZ Technologies GmbH

NOFFZ Technologies develops and manufactures industry-leading test systems and automation solutions for the entire product development process, from prototyping and validation to volume production.

The company was founded in 1989 and currently employs around 200 people at nine locations worldwide. From its headquarters in Toennisvorst, North Rhine-Westphalia, NOFFZ supplies manufacturers in the automotive, telecommunications, IoT, consumer electronics, medical technology, and the semiconductor industry. In 2021, NOFFZ Technologies was named Company of the Year in Europe by Frost & Sullivan in the area of radar test systems for the automotive industry.

The company averaged net sales of approximately \$30 million in the fiscal years 2018 - 2020 and is DIN EN ISO 9001-certified.

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