

Brose presents "The Excellence Inside" at IAA Mobility 2023



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Bringing intelligently connected mobility solutions to life - Brose is taking up this approach of the IAA Mobility and presenting systems for automobiles and two-wheelers in Munich's city center from September 5 to 10, 2023. The automotive supplier puts the focus on end customers, who will be able to test future smart comfort functions as well as e-bikes and e-scooters with Brose drives at the booth.

Show car with smart comfort functions

In the future, cars will adapt more flexibly to users' needs thanks to intelligent functions and a variable interior concept. Brose will be demonstrating how this could work using a near-series vehicle. When approaching, the car recognizes its driver, welcomes them with projections in the side windows and automatically opens the side door after a gesture. Drive yourself, work or relax while driving - depending on passengers' needs, the electronically controlled seats, screens and storage areas automatically coordinate their respective positions and the air flow from the AC system adjusts accordingly. The rear seat converts into two individual reclining seats for more comfort or is moved to save space to create a maximum cargo space. To make this mobility experience possible, the system supplier Brose combines its mechatronic know-how with sensor technology and software developed in-house.

On a test drive with e-scooter and e-bike

Brose is also transferring the expertise from the development and production of electric motors for the automotive industry to the field of micromobility. At the IAA 2023, e-scooters with Brose drives will be available for test rides for the first time in Europe. Since 2022, Brose has been manufacturing motors, control units and power electronics for the Indian manufacturer Hero, which is one of the largest two-wheeler producers in the world. The

product portfolio for e-bikes includes a new generation of powerful drives for mountain bikes and cargo bikes, a high-performance battery, displays with different functionality and the Brose app. With Drive3 Peak, Concept Drive and the Battery 48V, which are being presented for the first time this year, Brose is introducing a new system: By changing the operating voltage from 36 volts to the automotive standard 48 volts, thermal development is reduced significantly while performance remains the same.

Shaping sustainability

Tomorrow's mobility requires not only innovative but also sustainable solutions: For example, the family-owned company was the first manufacturer to develop a serial remanufacturing process for used e-bike drives. This saves resources and at least 21 kilograms of CO2 equivalents compared to the production of a new series drive. Brose achieves further emission reductions through lightweight construction and efficient systems in the vehicle. The company itself aims to become completely CO2 neutral by 2039; an important interim goal on this path is the carbon neutral operation of all locations by 2025. In addition, Brose involves the supply chain and requires suppliers to comply with high standards.

Brose in the Open Space at the IAA

The automotive supplier is presenting its innovative and sustainable mobility concepts under the motto "The Excellence Inside" in the Open Space at the IAA Mobility in Munich in Ludwigstrasse at booth LS400. Visitors to the trade fair can test e-bikes with Brose drives on two test tracks in the English Garden as well as the Hero e-scooter with Brose drive on predefined routes through the city center.

Find out more [here](#).