

Press Release

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Breathe clean air with world-first air-quality technology inside new Volvos

Volvo Cars has introduced a world-first premium air-quality technology in its cars, allowing Volvo drivers to breathe clean and healthy air inside their cars and clean the air of their cabin ahead of their journey.

The company's new Advanced Air Cleaner technology comes with a sensor that measures PM 2.5 levels inside the cabin, creating a feature not available in any other car currently on the market.

In China, where PM 2.5 measurements and related information services are well established, Volvo drivers can also compare air quality inside the cabin to that outside the car.

Indicating the amount of fine particulate matter in the air, PM 2.5 is a widely used measure for air quality. Globally, many urban areas suffer from PM 2.5 values that exceed recommended levels by the World Health Organisation, underlining the need to minimise their impact.

Available on all 60 and 90 series Volvo models based on the Scalable Product Architecture (SPA) since this spring, the Advanced Air Cleaner cleans out fine particulate matter from the cabin. Thanks to a synthetic fibre-based filter and ionisation, up to 95 per cent of all PM 2.5 particles are kept out of the cabin. This optimises air quality inside the car, limiting the adverse health effects that are associated with air pollution and fine particulates. Cleaner air inside the car also helps to advance safe driving, since healthy and fresh air can help boost driver concentration.

Drivers of relevant Volvo models can also use the Volvo On Call smartphone app (where available) to easily schedule an extra cleaning of the cabin air ahead of their journey. The app then tells drivers about the actual PM 2.5 levels inside the cabin after cleaning.

"With our Advanced Air Cleaner technology, you can rest assured that the air you breathe inside your Volvo is cleaner and healthier," said Anders Löfvendahl, Senior Technical Expert on Cabin Air Quality at Volvo Cars. "We believe that clean air is good for you, both from a health and from a safety perspective, and we will continue to push the envelope in this area."

Apart from the Advanced Air Cleaner technology, Volvo Cars also works on creating a healthy environment inside its cars in other ways. Its engineers have a long-standing focus on removing emissions from organic substances in the car and minimising the amount of allergy-causing materials from its interiors.

Volvo Cars has strict sourcing requirements for suppliers in order to minimise the generation and emission of odours from parts and materials used inside the cabin. The company also works closely with a variety of universities and other institutes on projects related to material use, as well as developing and implementing ever-stricter allergy standards for its interiors.

A special team of odour assessors, internally known as The Noses, tests components individually as well as on a complete car level for odour emissions. Despite technological advances, this team remains unmissable for the odour control process because the human nose is much more sensitive than any analytical instrument.

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Volvo Car Group in 2019

For the 2019 financial year, Volvo Car Group recorded an operating profit of 14.3 BSEK (14.2 BSEK in 2018). Revenue over the period amounted to 274.1 BSEK (252.7 BSEK). For the full year 2019, global sales reached a record 705,452 (642,253) cars, an increase of 9.8 per cent versus 2018. The results underline the comprehensive transformation of Volvo Cars' finances and operations in recent years, positioning the company for its next growth phase.

About Volvo Car Group

Volvo Cars was founded in 1927. Today, it is one of the most well-known and respected premium car brands in the world, with sales of 705,452 cars in 2019 in about 100 countries. Volvo Cars has been under the ownership of the Zhejiang Geely Holding since 2010.

In 2019, Volvo Cars employed on average approximately 41,500 (41,500) full-time employees. Volvo Cars' head office, product development, marketing and administration functions are mainly located in Gothenburg, Sweden. Volvo Cars' head office for APAC is located in Shanghai. The company's main car production plants are located in Gothenburg (Sweden), Ghent (Belgium), South Carolina (US), Chengdu and Daqing (China), while engines are manufactured in Skövde (Sweden) and Zhangjiakou (China), and body components in Olofström (Sweden).

Under its new company purpose, Volvo Cars aims to provide customers with the Freedom to Move in a personal, sustainable and safe way. This purpose is reflected in a number of business ambitions: for example, by the middle of this decade it aims for half of its global sales to be fully electric cars and to establish five million direct consumer relationships. Volvo Cars is also committed to an ongoing reduction of its carbon footprint, with the ambition to be a climate-neutral company by 2040.

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