

Bauma 2019: Mayser at the biggest trade fair in the world Smart technology for the construction vehicles of tomorrow

The construction sector faces new challenges in view of the future trend toward “autonomous construction machines” and increasingly stringent emissions regulations. Mayser presents suitable solutions in the form of ultrasonic sensors and acoustically effective interior components for cabs at this year’s construction machinery trade fair Bauma.

Mayser is again among the 3,500 exhibitors at this year’s Bauma in Munich, the international event for the construction sector as well as the construction materials and mining machinery industries. At the world’s largest trade fair with a total exhibition area of 605,000 m², the specialist for safety solutions presents for the first time the company’s USi and USi Safety ultrasonic sensors – to demonstrate to the visiting experts how easy it is to protect people and objects from collisions with autonomous vehicles. In this way Mayser is paving the way for the more extensive use of autonomous construction machines.

Certified ultrasonic technology

As soon as the USi detects an obstacle in its vicinity, movements are automatically slowed down or stopped. This is made possible by advanced, high-precision ultrasonic technology: The USi uses this technology to monitor its environment in an elliptical sound field up to a distance of 2.50 metres with virtually no blind zone. That allows its use in diverse areas, including non-touch distance measurement. The USi Safety is additionally designed for personnel safety and in this function is the only sensor in the world that is certified according to ISO 13849-1, Category 3 PL d. This is a safety requirement of increasing importance, in view of the trend toward

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autonomous construction machines. Both sensors are ideal for use in construction, since they are insensitive to contamination, extraneous sound, air flows and moisture.

Interior components enhance workplace comfort for drivers

To reduce the noise level for the driver, Mayser equips utility and construction vehicles with acoustically effective INDUMONT vehicle interior systems. The materials additionally enhance the visual and haptic properties of the interior.

In addition, engine compartments and enclosures are lined with sound-absorbing INDUPHON acoustic foam, a PUR soft foam with a modified surface.

Mayser at Bauma: Hall 5A, Booth 306

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About Mayser

Mayser GmbH & Co. KG is an internationally operating group of companies that develop, manufacture and market high-quality products and solutions in the areas of safety technology, foam technology and moulding. Mayser products are used primarily in the automotive industry, mechanical engineering, and in local public transport. Worldwide, Mayser has about 1,000 employees at the headquarters in Lindenberg and the neighbouring location in Ulm (both in Germany), as well as France, Slovakia, China and the USA. Turnover for the year 2018 totalled about 88 million euros. Mayser's origins date back to the year 1800, when the company started up with the manufacture of hats.

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Image material:



Mayser INDUMONT as acoustically effective internal panelling for cabs



Protection despite dirt and moisture:

The USi and USi Safety ultrasonic sensors from Mayser