

High-end solution in factory automation and mechanical engineering components from Mayser

Numerous product innovations as well as advancements and optimisations of proven solutions at Motek 2017

Lindenberg/Ulm, 20 July 2017 – At the international trade show Motek in Stuttgart, Mayser presents itself at booth 8224 in hall 8 as expert for safety and foam technology and shows numerous advancements and user solutions from both fields. Protection with the help of ultrasonic sensors directly in the fork of a forklift will be demonstrated live.

Ultrasonic safety, which was certified and approved as ultrasonic sensor for personal protection, sets new standards in Factory Automation as well as all areas in which the protection of movable robot or machine components and automated vehicles is necessary. Whether it is automated guided vehicle systems (AGVS), intelligent storage location monitoring on forklifts or the tool safety of cobot workplaces: Ultrasonic safety offers a great number of possible applications – thanks to the parameterization via graphical interface and freely positionable transducers.

Ultrasound detects reliably even with a blocked field of view

The transducer can for instance be installed directly in the fork of a forklift. Even with a loaded fork, the detection field is not blocked and the ultrasonic sensor system reliably detects whether an object or a person is in the danger zone. The field not only detects whether someone is standing in front of or next to the fork, but the employee is also detected during the lowering and the fork is stopped in time. In addition, goods must no longer be pulled around autonomously moving forklifts but can be pushed without danger. The ultrasonic sensor can also be used for moving space monitoring or as heel protection

around lifting carts. A teach-in function allows the system to learn the complete measuring environment as a standard. This enables the system to respond only to deviations from the target state.

Even thinner pressure-sensitive mats and a newly developed control unit

Mayser offers numerous safety technologies for production and assembly. Not just one but several new advancements will be presented at the trade show. The existing pressure-sensitive mat range was expanded with the SM 8, which is only 8 mm thick and offers optimal protection for zone protection thanks to pressure-sensitive surface sensors. Depending on the requirement, the pressure-sensitive mats can be adjusted to any surface profile.

A reliable and suitable control unit is the prerequisite for functionally safe sensors. Mayser presents a newly developed universal control unit at the trade show which will become available in the first quarter of 2018. The 24 V device with semiconductor outputs does away with mechanical contacts, thus reaches higher MTTF values and thus has a longer service life. Its space-saving width of 17.5 mm makes it the narrowest control unit of Mayser; it complies with the standards for the industrial field.

Sacrifice mat for INDUCON® for vacuum clamping systems provide more efficiency

The sacrifice mat, based on an INDUCON® compressed foam, enables precise positioning of cutting materials. The variable air permeability helps achieve a precise adjustment to the pump delivery rate of the vacuum clamping system. The sacrifice mat with great slipping protection, high abrasion resistance and good resistance against oils, greases and drilling emulsion enables efficient and economic working. Different mat thicknesses are available.

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Mayser

Mayser is an international Company Group currently operating at five locations in Europe and the USA. The company develops and produces high-quality products, systems and solutions in the areas safety technology, foam technology and moulding as well as headwear. The origin of the company goes all the way back to the year 1800, where everything started with the hat. With an average annual increase in turnover of 16 % between 2014 and 2016, today Mayser has an excellent reputation in safety and foam technology in many industries, including automotive, mechanical engineering or local public transport.

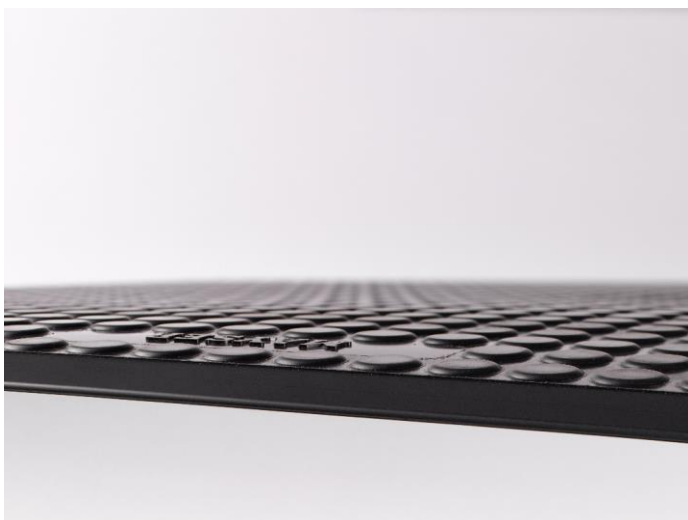
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Image 1



Ultrasound-based sensory analysis systems can be used for various applications of personal protection and automation in logistics and industry 4.0.

Image 2: SM 8



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Image 3

