

ebm-papst at Motek 2021

Intelligent drive solutions for automation

This year, Motek, the leading trade fair for the world of automation, is taking place for the 39th time from October 5 to October 8, 2021 as an on-site trade fair in Stuttgart. ebm-papst will be showcasing compact and intelligent drive solutions for this field of application at Stand 1320 in Hall 1.

Economical automation solutions are more in demand than ever. Networking capabilities and, as a result, communication between components are also gaining importance. The compact servo drives from ebm-papst are ideal for decentralized applications in production and assembly automation, handling systems and industrial robots.

Modular drive system – something for everyone

In ebm-papst's modular drive system, EC motors can be flexibly combined with integrated encoders, transmissions and brakes, making them suitable for a wide range of applications. The "heart" of all configurations is a brushless, electronically commutated internal rotor motor. The rotor position is detected by integrated Hall sensors, which are actuated by external controllers. Thanks to the controller's integrated intelligence, the drive can be freely programmed, similar to a PLC. Therefore, the drive solutions from ebm-papst support condition monitoring and predictive maintenance in line with GreenIntelligence. The existing range of motors with a diameter of 42 mm (power range of up to 100 W) is now being supplemented with motors with a diameter of 63 mm (power range of up to 400 W) and will be presented for the first time at Motek.

SIMATIC Micro-Drive

Drive solutions from ebm-papst for SIMATIC drive controllers combine state-of-the-art networking capabilities with functional safety in the safety extra-low voltage range. For example, the servo drive system is suitable for precise positioning tasks in automation technology, in shuttles for stacker cranes and storage rack systems, in automated guided vehicles (AGVs), and in medical technology.

Hygiene concept and tickets

Motek is relying on a comprehensive hygiene concept (as at August 2021). All exhibitors and visitors must prove that they are not infected with SARS-CoV-2, which can be done in three ways (vaccinated, recovered or tested). Mask wearing is obligatory on the trade fair grounds (as of August 2021).

Participation in the trade fair is subject to a charge; there is no ticket sale on site and there are only day tickets available. There are vouchers for free attendance at ebm-papst from www.ebmpapst.com/motek.

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Fig. 1: Motors with 63 mm diameter are now being added to the existing range of modular drive systems from ebm-papst with 42 mm diameter and will be presented for the first time at Motek.

Fig. 1 ebm-papst
Characters Approx. 2,500, including headings and sub-headings
Tags Motek, automation, drive technology, motors, transmissions, Siemens Simatic Microdrive
Link www.ebmpapst.com/motek

About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen/Germany, is the world's leading manufacturer of fans and drives. Since the technology company was founded in 1963, it has continuously set the global industry standard with its core competences in motor technology, electronics, digitization and aerodynamics. With over 20,000 products in its portfolio, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive-engineering task.

In fiscal year 2020/21, the "hidden champion" generated revenues of € 2.129 billion. The group employs roughly 15,000 people at 29 production sites (in Germany, China and the USA, to name but a few) and in 51 sales offices worldwide. ebm-papst sets the benchmark with their fan and drive solutions which are used in almost all industries, such as ventilation, air conditioning and refrigeration, heating, automotive, information technology, mechanical engineering, household appliances, intralogistics and medical engineering.

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