

Press Release

Huge follow-up contract: Fiege Logistik orders robot fleet from Magazino

Munich, 31st August 2017 The logistics company Fiege Logistik has ordered a further 30 robots from the Munich-based start-up, Magazino. Fiege already operates three intelligent Toru picking robots for a shoe warehouse that it runs at its location in Ibbenbüren. High savings and a positive experience prompted the decision to roll out an entire fleet of robots. Fiege will thus operate one of the largest fleets of perception-controlled robots installed at a warehouse Europe-wide.

Jens Fiege, member of the family business' Executive Board, commented on the new order: "It is our conviction that in the future, robots will be highly significant in the field of intra-logistics - especially for fulfilment services." Fiege therefore decided at an early point in time to place its stakes on this technology. "We see ourselves as pioneers in this area and will continue to develop this flexible solution together with our partner, Magazino. To further advance automated order picking at our warehouses presents a vital step in the digitisation of logistics centres", says Jens Fiege.

"We are extremely proud to be pushing digitisation within intra-logistics in such huge strides together with Fiege", says Frederik Brantner, co-founder and CEO of Magazino. "The use of Toru at Fiege shows that the future of the warehouse belongs to perception-controlled robots", says Brantner.

Flexible automation at shoe warehouse

Magazino's robots will be applied, amongst others, at a shoe warehouse which handles orders of a major German online shoe retailer. Thanks to numerous sensors and safety technology, the robots already work alongside on-site staff, either shelving shoe boxes or taking them from the shelves to the shipping station. The picking of individual order items plays one of the most decisive roles in the supply chain, especially for the booming online industry. End customers expect flawless, ever faster delivery services. At the same time, staff shortages and peak periods challenge service providers increasingly. Additionally, because of its complexities, order picking has to-date never been automated, or only with extreme efforts and subject to significant compromises.

Digitisation with intelligent robots

Robots by Magazino receive their picking orders wirelessly from the material management system and can precision-pick individual items with Computervision and the use of AI from the lowest and even the highest racks of a conventional shelving system. Equipped with an internal storage compartment, robots can carry the picked articles temporarily with them, allowing them to process multiple orders in a single run. Thanks to safety lasers the Toru robot perceives obstacles ahead of its path as well as employees nearby while at the same time finding its way around the warehouse. This makes any physical modifications inside the warehouse or markings on the floor redundant. Once trained, the interconnected robot can share via its wireless connection not only the maps that it has created from its surrounding but also its experiences with specific objects or challenges with new robotic colleagues. This means robots can teach each other and continuously improve their performance.

The **Fiege Group**, headquartered in Greven/Germany, is one of Europe's leading logistics providers. Its competence lies particularly in the development and realisation of integrated supply chain systems, and it is considered a pioneer of contract logistics. In 2016, the Group generated a turnover of Euro 1.45 billion world-wide with a workforce of 12,000. 178 locations and co-operations based in 15 countries form a dense supply-chain network. 2.8 million square metres of warehouse and logistics space vouch for the company's efficiency. For more information, go to www.fiege.com

Magazino GmbH is headquartered in Munich and was founded by Frederik Brantner, Lukas Zanger and Nikolas Engelhard in 2014. The start-up has grown to employ 70 staff and develops and builds perception-controlled mobile robots for intra-logistics. The TORU picking robot is Magazino's latest development. Whereas to-date, only complete load carriers could be collected under an automated system, TORU is capable of precision-picking individual items. Magazino's approach uses 2D and 3D camera technology to identify and localise individual items on the shelf, to grasp them securely and to precision-place them at their destination. The intelligent robot, TORU, works alongside humans and takes the required parts at the right time directly to the workbench or to the shipping station. Magazino thus provides perfect Industry 4.0-compatible logistics.

For more information, go to www.magazino.eu

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