Press release

Revolution in the warehouse

Magazino presents the picking-robot TORU Cube at CeMAT 2016

Munich, 23 February 2016 – Magazino, the Munich based robotics startup will be exhibiting their latest version of TORU, the picking-robot, at CeMat; the world leading trade fair for intralogistics & supply chain management, between 31st May and 3rd June. Their latest robot, names the TORU Cube, combines intelligent object recognition and precise gripping to provide excellent automated item-specific picking functionality. TORU Cube is optimized to handle rectangular objects such as books, boxes and shoe boxes. TORU can be seen in action at **CeMAT 2016** in **Hall 27**, **Booth C55.**

New features and improved performance

Since the last prototype a lot has changed: The new TORU Cube can not only pick books but also larger rectangular objects – from a small paperback to a shoebox to a heavy encyclopedia to a box of screws. TORU Cube now also features a detachable picking-shelf with configurable levels of storage, providing space for up to 20 average sized books or other rectangular products. With its rotating column TORU Cube is able to reach items stored as low as 10 cm from the ground up to 209 cm on both sides of a warehouse aisle giving him a human-like range of motion and mobility.

Smart Supply Chain Solutions – Order Picking 4.0

The theme of this year's CeMAT is "Smart Supply Chain Solutions – Intelligent from production to order picking". In the midst of Industry 4.0 logistics is becoming increasingly important, because the demands of flexible and accurate delivery are steadily rising. With its intelligent picking-robot TORU, Magazino facilitates these increasing demands as TORU works alongside people in the warehouse and can be deployed depending on the order situation. The number of robots can be increased according to need or in case of declining order volumes be reduced. TORU can not only handle existing shelves, but – thanks to computer vision – adapt to changes in the product range or the warehouse structure. That makes TORU an intra-logistics system with the highest flexibility.

See TORU Cube pick different objects off a shelf at CeMAT. There will be also a demo-station where visitors can test the computer vision systems for object recognition and see the world through TORU's eyes.

Presentation of TORU Cube at CeMAT 2016
- Date: from 31 May – 3 June 2016
- Location: CeMAT 2016, Hall 27, Booth C55
- Information and news about Magazino: www.magazino.eu/news

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The Magazino GmbH, headquartered in Munich, was founded in 2014 by Frederik Brantner, Lukas Zanger and Nikolas Engelhard. Meanwhile the number of employees has increased to 35. The startup develops and builds perception-driven, mobile robots for intralogistics. The picking-robot TORU is the latest development of Magazino. Currently only entire containers such as pallets or boxes can be handled automatically. With TORU, individual object grasping becomes possible. Magazinos technology allows individual objects to be identified on the shelf and localized via 2D and 3D cameras, securely grasped and finally placed precisely at its destination.
The intelligent robot TORU works alongside people and brings required objects just in time directly to the workbench or shipping station. Magazino provides the perfect warehouse logistics for industry 4.0.