



Press release CeMAT / Hannover Messe 2018

## Autonomous handling of boxes and small load carriers

Magazino presents the new SOTO robot for fashion logistics

**Hannover 06. February 2018** The robotics startup Magazino presents the newly developed robot SOTO at the logistics trade fair CeMAT 2018. The fully autonomous robot uses 3D camera technology to grasp objects such as cardboard boxes or small load carriers from different heights, stores them on the vehicle, navigate to the destination and places them with high precision. This makes SOTO the world's first perception-driven robot that combines this spectrum of capabilities in a single solution. The use of these intelligent robots is primarily in distribution centers of fashion logistics. Another field of application is the supply of small load carriers in production logistics. SOTO can be visited at the booth of Magazino GmbH in **hall 21, booth G42**.

The customer benefits are: Manual work processes that were previously too complex can now be automated for the first time in a flexible and, more importantly, scalable way. This results in extended operating times, a smoothing of order peaks and a reduction of operating and process costs. Above all, SOTO makes it possible for employees to be relieved of ergonomically unfavorable tasks. Especially when it comes to the lowest or highest shelf level, the handling of boxes full of textiles, weighting up to 15 kg, is an exhausting task in the long run.

Objects up to a size of 600 x 400 x 400 millimeters can be handled by SOTO with its adaptive gripper. Depending on the size, up to eight boxes or small load carriers can be stored temporarily in an integrated shelf. The lifting mechanism allows to pick and put objects to both directions in reach heights from 5 cm to 246 cm above the ground. Certified safety laser scanners not only enable autonomous navigation but also ensures safe operation parallel to employees. Connected by a cloud, SOTO exchanges information with other robots about current maps and experiences with specific situations. This allows them to learn from each other and thus improve continuously.

In addition to the new SOTO robot, Magazino will be exhibiting a new, completely revised version of the TORU picking robot. This improved version is characterized by a higher driving speed, a larger capacity of onboard storage and a greater reach of the gripper arm. With the new ability to reach up to a height of 245 cm, the operation of a complete additional control level is possible. This means a massive capacity increase for the warehouse.



In production logistics SOTO can take over the supply of small load carriers.

*Magazino GmbH, headquartered in Munich, was founded in 2014 by Frederik Brantner, Lukas Zanger and Nikolas Engelhard. The startup has meanwhile grown to over 80 employees and develops and builds perception-controlled, mobile robots for intralogistics. Magazino has already developed the mobile picking robot TORU, which runs with several customers in live operation. The new robot SOTO works similar to TORU, but is designed for much larger and heavier objects. Further information and pictures can be found at [www.magazino.eu](http://www.magazino.eu)*

(3.176 characters with spaces)

**Press contact**

Magazino GmbH  
Florin Wahl (Public Relations)  
Magazino GmbH  
Landsberger Straße 234  
80687 München  
[wahl@magazino.eu](mailto:wahl@magazino.eu)  
[www.magazino.eu](http://www.magazino.eu)  
Tel: +49 (0) 21552415-3

**Location:** Hall 21, Booth G42

**Pictures:** [https://www.magazino.eu/news/#/latest\\_media](https://www.magazino.eu/news/#/latest_media) (click on "Herunterladen" for download)