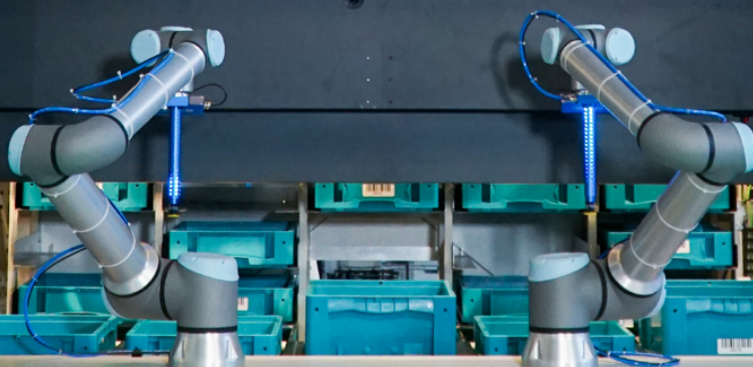
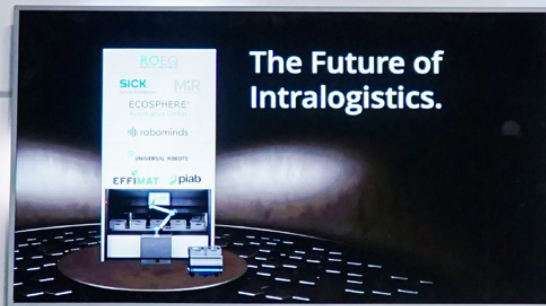
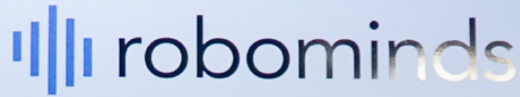




UNIVERSAL ROBOTS



SINA - the future of intralogistics

Comprehensive automation requires networking - and not just between the individual components. For something truly groundbreaking to emerge, the development phase must already be coordinated. Only then the end product will be more than the sum of its parts. For this purpose, eight companies have teamed up and developed a new, comprehensive concept: The first fully automated warehouse lifter, equipped with AI-based vision, a mobile goods in and out, and a comprehensive safety concept.

SINA

Smart kitting solution for INtralogistics Automation

— The structure

A mobile packing station is set up in front of a warehouse lifter from EFFIMAT. This is equipped with two Universal Robots UR10e cobots and the sBotnanoScan3 safety system from SICK at both front corners. The cobots work with Piab's Mini Cobot Gripper (MCG) with the latest MX suction cup, as well as the vision system, robobrain.vision from robominds and are controlled by the AI-based robobrain®. Finished packed boxes are placed on the autonomously moving mobile robots, MiR250 with TR125 top rollers from ROEQ, and thus transported to the workbench. The company Ecosphere as a system integrator ensures the smooth setup and operation.

— Highlights

Fully automated: order-picking by cobots equipped with AI skills

Flexible: high flexibility in stored products through AI-based picking - no need to teach-in the parts

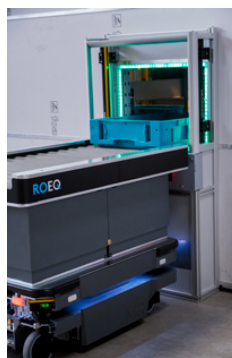
Secure: Automated incoming and outgoing goods, secured manual packing station

Space-saving: By using the vertical storage lifter, up to 75% space can be saved

Efficient: output of up to 250 boxes per hour

Time saving: output of individual boxes from different levels within one job, loading can take place around the clock

Interconnected: linking of all components of the system at all levels (manufacturer-independent)



Interested?

Reach out now!

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