

## **AGILOX presents flexible platform AMR AGILOX OPS.**

- **Ideal for existing installations with limited space constraints and efficient station-to-station transport.**
- **Flexible and simple user system enabled by swarm intelligence.**
- **Diverse selection of individual load carriers for manufacturing and warehouse logistics.**

**(Neukirchen bei Lambach, March 19, 2024): AGILOX Services GmbH, a leading technology company for Autonomous Mobile Robots (AMR) in Neukirchen bei Lambach, is expanding its product portfolio with a powerful and flexible platform AMR. Ideally suited for manufacturing and warehouse logistics, the AGILOX OPS can be put into initial operation within 12 hours, with additional AMRs of the swarm operational within a few hours.**

### **Setting new standards in the product portfolio: AGILOX OPS (Omnidirectional Platform Shuttle)**

The AGILOX Omnidirectional Platform Shuttle (OPS) represents a significant milestone in AGILOX's product portfolio. This Autonomous Mobile Robot (AMR) effortlessly transports loads weighing up to 1,500 kg. Four omnidirectional drive units and a slim design enable easy and safe navigation in narrow aisles and tight spaces. Therefore, the AGILOX OPS is an ideal solution for existing installations. Additionally, with a maximum speed of up to 1.9 m/s, the AGILOX OPS offers highest efficiency.

With flexible load handling devices and highest navigation accuracy (+/- 4 mm), the AGILOX OPS enables swift goods turnover and efficient transport from station to station. Its innovative platform design allows seamless integration into existing processes and ensures maximum safety in a human-robot environment.

## **Swarm intelligence for maximum flexibility & user-friendliness**

AGILOX's X-SWARM technology ensures seamless interaction of the AGILOX OPS with other AGILOX AMR models in a swarm. Fleets can be easily and quickly expanded by additional robots within a few hours. All AMRs within a swarm communicate directly, exchanging information about their own position and current status multiple times per second. This enables intelligent order distribution, automatic provision of goods, finding free paths, and seamless adaptation to changes in the environment. In the event of a robot failure, the remaining AMR swarm takes responsibility, ensuring a secure flow of goods. Shortages and transit times on transport routes are automatically optimized. Thanks to fast charging, each AMR is ready for operation again in just a few minutes.

*"At AGILOX, our mission is to make processes as simple and safe as possible through the use of advanced robotics. The new AGILOX OPS is another strategic component in the AGILOX product portfolio, aimed at tapping into new market segments,"* says Jürgen Baumgartner, Chief Sales Officer at AGILOX.

## **A diverse selection of individual load carriers**

The AGILOX OPS is versatile and finds application in numerous manufacturing and warehouse logistics scenarios. Particularly in situations where conventional autonomous forklifts reach their limits due to limited space constraints. Examples include transporting industrial waste directly to the production line or providing materials to workstations. Additionally, the OPS offers the flexibility to adapt load handling devices to individual load carriers, further expanding its potential applications. Its innovative platform design allows seamless integration into existing processes, facilitating the transportation of customer-specific load carriers.

## Technical Details: AGILOX OPS

Dimensions (L x W x H)	1.300 x 930 x 300 mm (51 x 37 x 12 in)
Dead Weight	400 kg (882 lbs)
Max. Lifting Weight	1,500 kg (3,306 lbs)
Max. Lifting Height	100 mm (4 in)
Turning Circle	2,000 mm (79 in)
Min. drive-through width	1.500 mm (59 in)
Min. Aisle width	1.600 mm (63 in)
Max. Speed	1,9 m/s (6,2 ft/s)
Drive units	4x omnidirectional drive units

## **About AGILOX Services GmbH**

AGILOX Services GmbH is a technology leader in Autonomous Mobile Robots for transportation processes in warehouse and production logistics. With over 1,400 AMRs in the field and a global customer base that includes Siemens, BMW, Bosch, and Daimler, AGILOX is one of the leading providers for small and large fleets of driverless transport systems.

Headquartered in Neukirchen bei Lambach, Austria, AGILOX Services GmbH has offices in Europe, the USA, and China and employs over 250 staff worldwide.

## **Images:**

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