

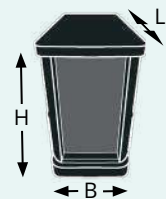


# SOTO

The autonomous supply chain robot for industrial production

SOTO bridges the gap between automated warehouses and automated production lines. With its high intelligence, SOTO is capable of independently handling complex transport tasks, responding to changes in the environment and fluctuating demands. It completely replaces tigger trains, thereby increasing efficiency and flexibility in logistics.

SOTO dimensions (L x W x H)



2230 mm x 1060 mm x 2240 mm

## Performance Data

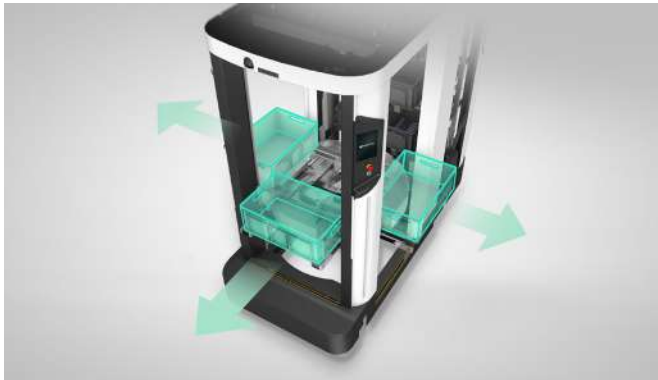
Supported load carriers	Container dimensions	Gripping height	Max. weight per KLT	Max. number of KLT per SOTO	Max. speed
EPPs, cartons und KLTs	300 x 200 mm 400 x 300 mm 600 x 400 mm	400 - 1700 mm	20 kg	8 - 24	1.5 m/s

## Details

Operating time	Charging time	Navigation method	User interface	Certifications
8 hours	1.6 hours	SLAM (contour based)	2 touch displays	CE, TÜV, ESD, ISO 7 Cleanroom

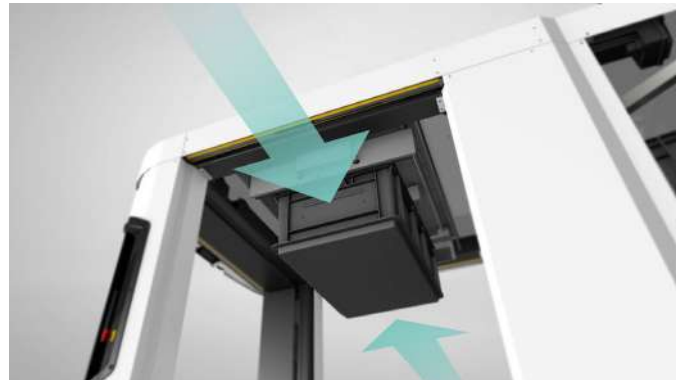


# SOTO features



## Flexible handover

Flexible handover height of the KLTs on three sides



## Container rotation

Clamping unit for flexible rotation of KLTs (90-270°)



## Customer-specific configuration

Customized configuration of the backpack rack for 8 to 24 KLTs



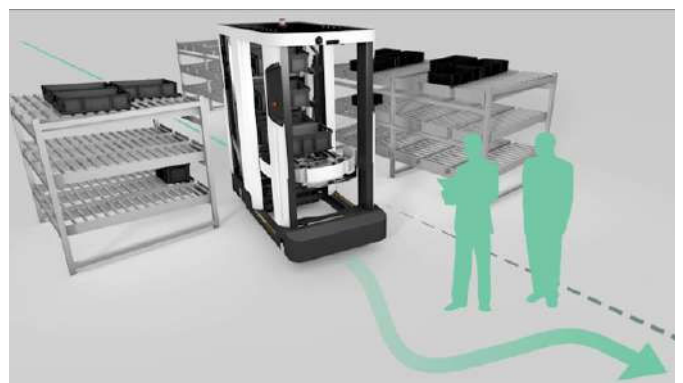
## Versatile applications

Picking and placing on passive shelves or conveyor technology



## Real-time material tracking

Precise identification of KLTs through barcode and QR-code recognition



## Autonomous und secure

Intelligent room monitoring with 3D cameras and obstacle avoidance

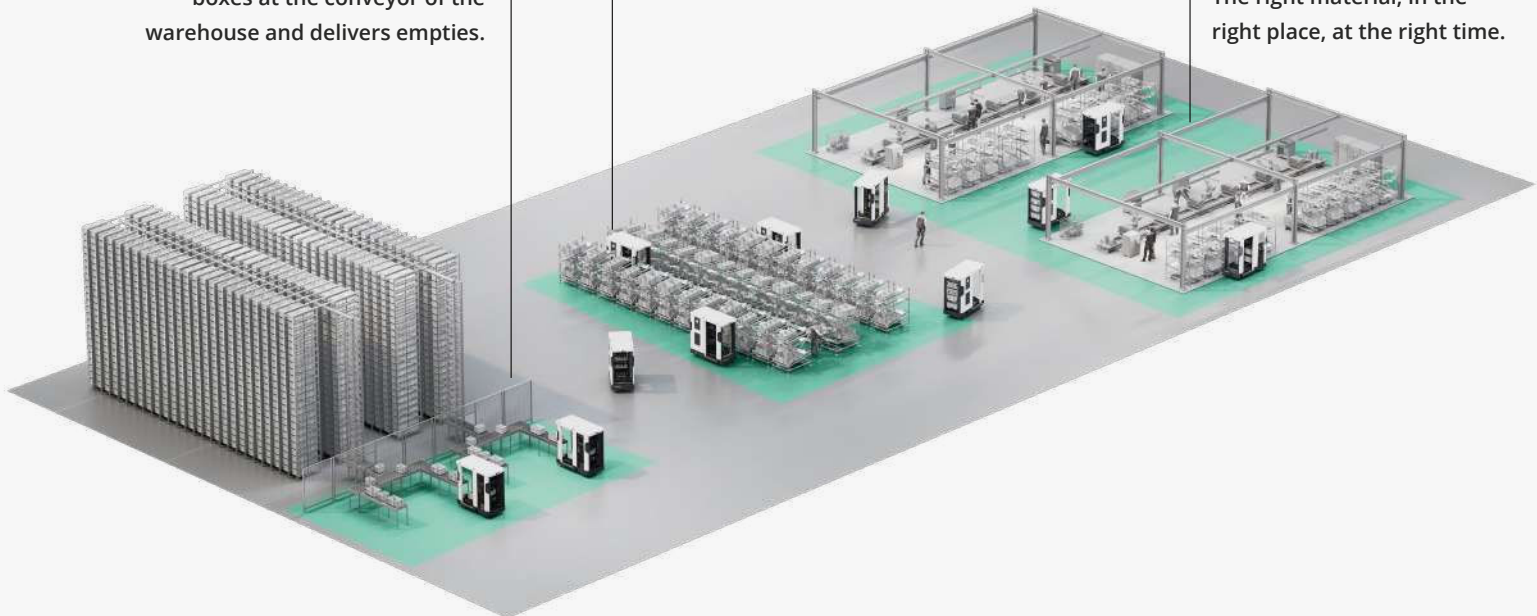
# The smart link between the warehouse and production

Whether flow rack or conveyor belt — as the perfect link between material handling and production supply, SOTO delivers the required materials directly to the assembly line and returns empty containers back to the collection point.

**1**  
SOTO automatically picks up boxes at the conveyor of the warehouse and delivers empties.

**2**  
SOTO takes care of the delivery between the warehouse, buffer storage, and the production line.

**3**  
SOTO delivers KLTs directly to the shelves on the production line. The right material, in the right place, at the right time.



## Flexible integration into your existing processes



Order creation via WMS, hand scanner, machines or sensors



Interaction with I/O devices, roller shutters and fire alarm systems



Integration into third-party VDA5050 fleet managers possible



Parallel operation with human workforce and conveyor vehicles

# Environment

Width for safe speed (one lane)

1650 mm

Width for top speed (one lane)

2510 mm

Width for safe speed (two lanes)

3100 mm

# Handover stations



Existing shelves and conveyors can be retrofitted with adapters for precise KLT pick-up and placement, or the adapters can be integrated into new shelves and conveyor systems.

Min. grasping height

400 mm

Max. grasping height

up to 1700 mm

Min. distance between adjacent shelf compartments

30 mm

# Follow us for more insights

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