

# MAGAZINO



## SOTO 2

A mobile robot for industrial  
small parts supply



Valid from October 2021. Information subject to changes.

## Compatible objects



Min. object footprint (L x W)  
Max. object footprint (L x W)  
Object height  
Max. object weight

300 mm x 200 mm  
600 mm x 400 mm  
80 - 320 mm  
20 kg

## Onboard storage (backpack)



Capacity  
Adaptability  
Accessibility

8 - 24 items, depending on object dimensions  
flexible, depending on object dimensions  
manual retrieval of objects feasible

## Robot operation space



Min. gripping height  
Max. gripping height  
Rotation of objects  
Picking & putting

400 mm  
1.700 mm  
+/-90° and +/- 180° feasible  
frontal, right and left side of the robot

## Handover points



Conveyor  
Flat shelf  
Flow rack  
Tugger train

possible with adjustments  
possible with adjustments  
standardized interface  
standardized interface

## Work environment



Min. width of secondary aisles  
Min. width of main aisles  
Min. clearance height for drive-through  
Max. ground inclination

1.550 mm  
2.000 mm  
2.200 mm  
1°

## Robot data



Footprint (L x W)  
Navigation speed  
Drive system  
Max. battery run time  
16 hrs operation (2 shifts)  
24 hrs operation (3 shifts)

2.230 x 1.060 mm  
up to 1,5 m/s  
omnidirectional  
10 hrs  
feasible with 1 hr interim charging  
feasible with 4 hrs interim charging

## Miscellaneous



Localization & Navigation  
Safety features  
Interface  
Cameras  
User interface  
ESD-conformity

perception-driven navigation based on SLAM  
safely-limited speed, laser scanner, emergency stop  
connection to ERP/WMS via WiFi  
2D and 3D cameras for object recognition  
2 Displays at the robot, LEDs for direction and status indication  
set

