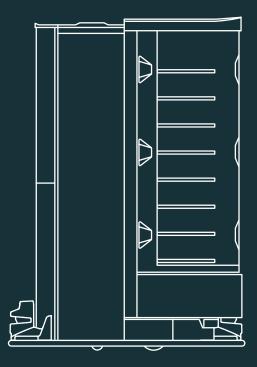
MAGAZINO



TORU

A mobile robot that interacts with its environment: TORU can pick small boxes completely autonomously.

DATA SHEET



MAGAZINO

Compatible objects

Object dimensions (L x W x H)

Object weight Stack height Stack weight Surface (Suction area)

Incompatible features* Barcode line thickness

Onboard storage

Capacity Storage shelves Payload

8 – 16 items, depending on object dimensions and weight 8 layers, adjustable in 20 mm increments max. 40 kg

min. 50 x 100 x 80 mm max. 390 x 280 x 145 mm

plain, strong, non porous

front opening boxes, external cords

0.25 kg - 2.00 kg

max. 3 objects

max. 5.8 kg

min. 0.5 mm

Robot operation space**

Max. gripping height above ground Min. gripping height above ground Max. distance object to edge of shelf 2,500 mm 80 mm +/- 50 mm

Robot specifications

Footprint (L x W) Robot height Robot height, extended Curb weight Surface load Navigation speed Battery chemistry Battery runtime Operating time per day

235 kg 295 kg/m² (incl. payload)

1,375 mm x 685 mm

max. 1.5 m/s LiFePO, 8 hours 18 hours

1,930 mm

2,912 mm

Miscellaneous

Control Navigation & Localization

Safety features

Interface Cameras

autonomous robots, centralized fleet management perception driven navigation based on simultaneous localization and mapping (SLAM) laser scanner, bumper, distance sensors, emergency stop,

movable by hand in case of emergency connection to enterprise resource planning system via Wi-Fi

2D and 3D cameras for object recognition







