



MOVING FORWARD TO THE NEW ERA

▶ www.tossoengineering.com

Robotics, AI & IOT Solutions

TECHNICAL SPECIFICATIONS

Dimensions

683mm x 609mm x 443mm

Weight

35 kg

Max Speed

1.1 m/s

Payload Capacity

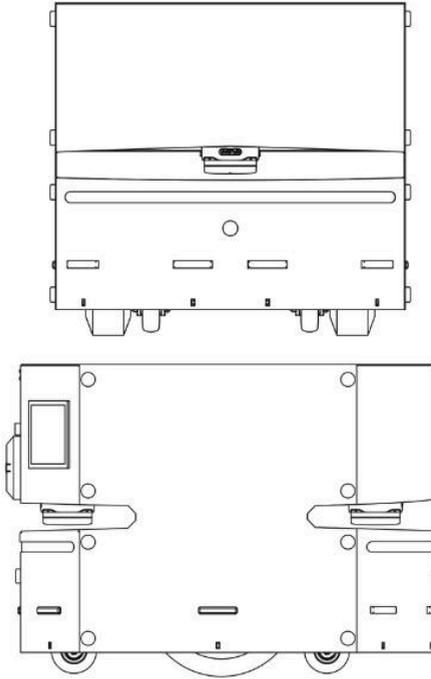
50 kg

Max Autonomy

10H

Traction System

Differential Drive



OPEN SOURCE

Dobby mobile base simulation model and tutorials are available.
Please contact with Tosso Engineering.

DOBBY MOBILE BASE



Dobby is versatile mobile base which designed to seamlessly adapt to various sectors, including service, retail, logistics, and advertisement, offering tailored solutions to meet diverse industry needs.

LIMITLESS INTEGRATION POSSIBILITIES

Dobby can be customized with accessories to suit your specific needs. We can also design and manufacture a custom robot base tailored specifically for you.

EASY TO USE & TO INSTALL

Dobby AMR is engineered for simple setup. Efficiently manage your robot fleet and seamlessly adapt their tasks via our web



- Autonomous driving and environment mapping even in human environment (up to 25,000m²)



- Remote 24/7 technical support and service (with remote diagnosis)



- Features a user-friendly interface that enables you to manage your fleet, change tasks on the fly and customize your robot's autonomous behaviour.





Modularity

DOBBY-SERVE

Dimensions	mm	483 x 609 x 1443
Weight	kg	45
Max. Speed	m/s	1.1
Payload Capacity	liter	215
Max. Autonomy	h	9
Slope Angle	°	15



Features

- Achieve streamlined delivery efficiency with a spacious 215L cabin volume.
- Adaptable for diverse needs, with adjustable layers to accommodate items of varying heights (25cm, 45cm, 75cm)
- Precise navigation and positioning even with close tables
- Up to 9H autonomy + autonomous mapping

DOBBY-GAP

Dimensions	mm	483 x 609 x 1577
Weight	kg	39
Max. Speed	m/s	1,1
Max. Autonomy	h	9
Slope Angle	°	15



Features

- Customer department orientation
- GAP-BARCOD control reporting
- Up to 9H autonomy + autonomous mapping
- Dobby-G checks the barcodes on a daily basis and reports the barcodes that need to be changed and shares them with the store management.
- Dobby-G checks the aisle gap on a daily basis; Reports the missing products in the aisle on the map and shares them with the store management.

DOBBY-CART

Dimensions	mm	483 x 609 x 1535
Weight	kg	43
Max. Speed	m/s	1.1
Payload Capacity	liter	215
Max. Autonomy	h	9
Slope Angle	°	15



Features

- Suitable for all retail stores upto 25,000 m2
- Can drive 9H by following customer in retail stores.
- The customer can continue shopping by placing the textile or any products in the basket without the need to carry them.
- Can perform autonomous mapping.

DOBBY-SORT

Dimensions	mm	483 x 609 x 1535
Weight	kg	43
Max. Speed	m/s	1.1
Payload Capacity	liter	215
Max. Autonomy	h	9
Slope Angle	°	15



- Modular, flexible sorting platform
- Autonomous navigation + intelligent path planning
- Suitable for warehouses up to 100000 m2
- Configurable output bins / destinations (bins / totes / shelves)
- Integration capability with warehouse software / order system
- Real-time monitoring of robot status + data logging
- Automated charging / docking / maintenance cycle

DOBBY-AD

Dimensions	mm	483 x 609 x 1577
Weight	kg	59
Max. Speed	m/s	1.1
Max. Autonomy	h	9
Slope Angle	°	15



Features

- 9H can display the desired advertisement on a high quality display in retail stores, shopping malls and fairs.
- All controls required for task starts and ends can be made remotely.
- It can perform autonomous mapping.
- Can perform autonomous mapping.

DOBBY HEALTH

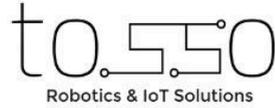
Dimensions	mm	483 x 609 x 1435
Weight	kg	47
Max. Speed	m/s	1.1
Max. Autonomy	h	9
Slope Angle	°	15



Features

- Multilingual NLP Communicatio
- Communicates with foreign patients in 20+ languages using advanced natural language processing (NLP) models
- Patient Accompanimen
- Autonomously guides patients to departments, reducing staff workload and improving the hospital experience.
- Fast & Responsive Touchscreen Interface
- Equipped with a high-resolution touchscreen for interactive use and instant response, optimized for hospital environments.
- Can perform autonomous mapping

WHY PARTNER WITH TOSSO



INDUSTRY EXPERTISE

Partnering with Tosso grants +10 years of robot expertise and tailored solutions for diverse industries.

LOCAL SUPPORT

Our after-sales team 90% locally based, ensures rapid 30 minute response and resolution within 3 hours for enhanced partnership.

DATA & DEVICE SECURITY

Our robots are equipped with advanced data and device security measures, ensuring the protection of sensitive information and the integrity of all operations.

ADD-ONS

CAMERA ADD-ON



DOCK STATION



ADDITIONAL BATTERY CHARGER





CONTACT US

MASLAK MASHATTAN SIT.
A2 BLOK D:K3
MASLAK, 34485
SARIYER / ISTANBUL
TURKIYE

+90 530 156 00 95
info@tossoengineering.com

