



ROBOTIC CART THOUZER

THOUZER-BASIC

EASY IMPLEMENTATION

Affordable price,
Minimum training time,
Fast deployment time

INDOOR & OUTDOOR

Bumps and slope,
Rugged terrain
IPX2 Rating

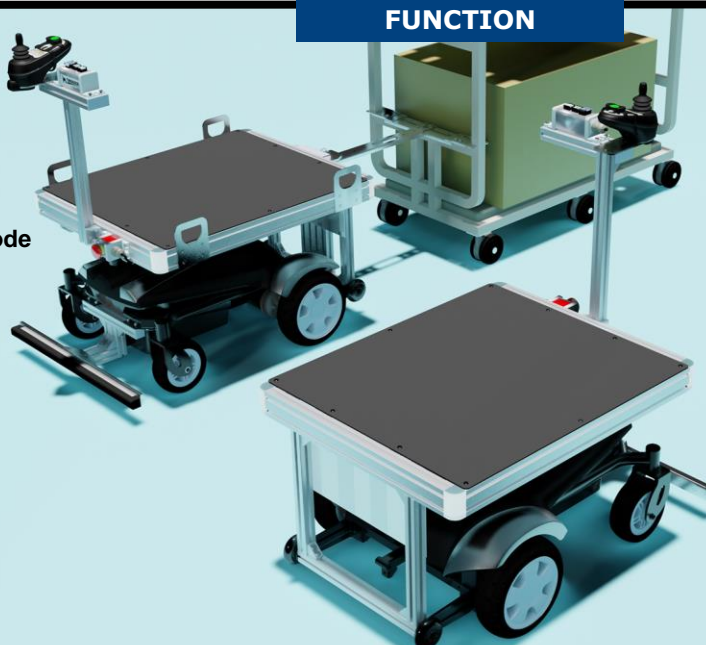
ADAPTABILITY

Able to handle dynamic
uncertain environments

NAVIGATION FUNCTION

Memory Trace® Mode

- Autonomous Navigation
- Programming and Wi-Fi not required
- Easy to setup



Follow-Me Mode

- One Button Activation
- Convoy Mode
- Obstacles Avoidance



MEMORY TRACE®

MEMORIZE ROUTE

With just a press of button, without using any complicated software, THOUZER can memorise the route easily.

No engineer required to do site mapping, cutting cost and lead time substantially.

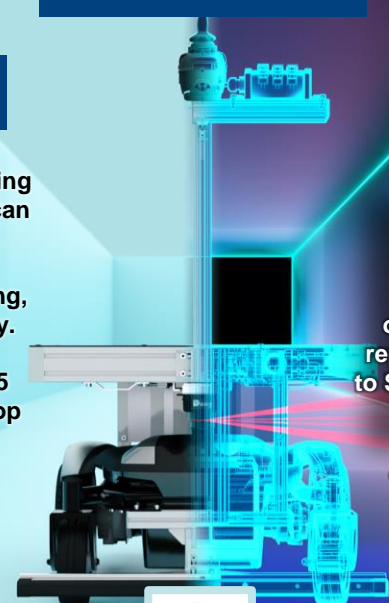
THOUZER BASIC can memorize up to 5 routes. Featuring reverse playback, loop function, timed pause and hold at any point in the route.

PLAYBACK ROUTE

THOUZER plays back the route by taking in the characteristic of its memorized surrounding.

Drastic changes in environment can be overcome simply by having the operator repeat the memorize process, as opposed to SLAM, which requires engineer support, longer time and is costly.

Adaptable to any dynamic environment.



Multiple Routes



Loop Function



Reverse Playback



Timed Pause



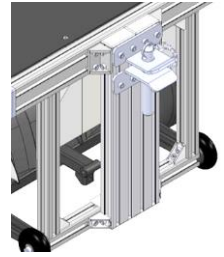
Hold

PRODUCT SPECIFICATION

| | | | |
|------------------------------------|-----------------------------|------------------|--|
| DIMENSIONS | Robot Dimension | | 600mm (W) x 950mm (L) 23.6 in (W) x 37.4 in (L) |
| | Loading Platform | | 600mm (W) x 750mm (L) 23.6 in (W) x 29.5 in (L) |
| | Platform Height | | 455mm 17.9 in |
| PAYLOAD | Payload | | 120 kg 264.5 lb |
| | Towing Capacity ※ | | 300 kg 661.4 lb |
| SPEED & MANEUVERABILITY | Max Speed | | 7.5 km/h 4.7 mph |
| | Minimum Radius of Rotation | | ~0.72 m ~28.3 in |
| | Maximum Slope Gradient | | 6 Degree (With Full Load) |
| NAVIGATION FUNCTIONS | Follow-Me | Availability | ✓ |
| | Memory Trace® | Availability | ✓ |
| | | Number of Routes | 5 |
| | Line Trace | Availability | N/A |
| Highway Availability | | N/A | |
| POWER | Battery | | Lead Acid Type (2x 12V 34Ah) |
| | Battery Run Time (Distance) | | Up to 20 km 12.4 mi (Full Charge) |
| | Charging Time | | Approximately up to 8 Hours (0% - 100%) |
| PROTECTION | IP Class | | IPX2 |
| SENSOR & SAFETY SYSTEM | Sensor (Class 1 safety) | Range | Maximum Distance (30m 98ft) Height (33cm 13in) FOV (320°) |
| | Safety Components | | Emergency Stop Button (Front), Bumper Switch, Alarm Device (Sound), Indicator Light (Optional) |
| EXTERNAL SYSTEM INTEGRATION | Wi-Fi Communication | | N/A (only for maintenance) |
| | I/O Terminal | | N/A |
| | API for System Integration | | N/A |

Included Accessories

Towing Bracket



Standard Towing Jig



Cargo Retaining Plate Set (4 Pcs)



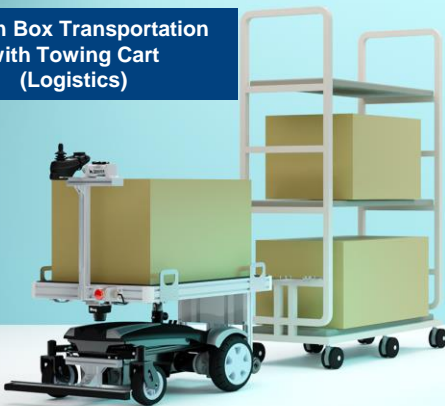
On-Board Charging Cable



※Please refer to product manual for safe use

Build Your Application on top of BASIC

Carton Box Transportation with Towing Cart (Logistics)



UV-C Light (Disinfection)



Roll Cage (Linen, Logistics)



Website

Follow us at Doog Inc:



Product PV

Japan
Doog Inc.
3 Chome-18-4 Azuma,
Tsukuba, Ibaraki 305-0031, Japan

Singapore
Doog International Pte Ltd
140 Paya Lebar Road,
#05-07, AZ@Paya Lebar Singapore 409015
Tel: +65 6513 0607

Official Distributor:

