ROBOTIC CART THOUZER サウザー E SERIES シリーズ

FLEXIBILITY

Offer different usage level
From simple button to
system integration

ADAPTABILITY

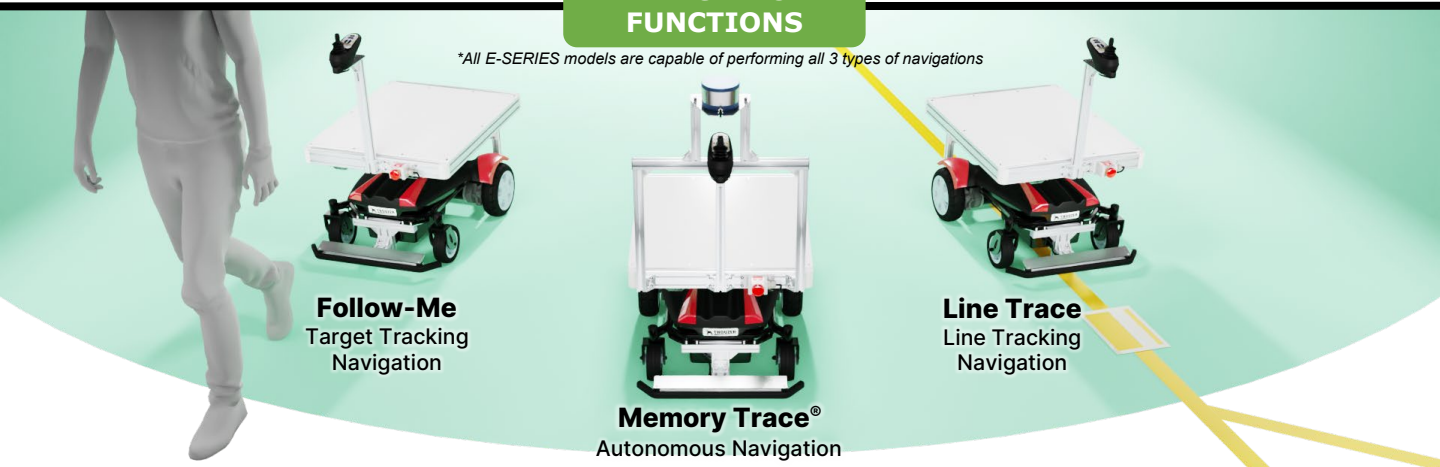
Navigation work in
highly dynamic environment
and different operations

SCALABILITY

Customization choice for
navigation mode, user
interface, and accessories

NAVIGATION FUNCTIONS

**All E-SERIES models are capable of performing all 3 types of navigations*



Follow-Me
Target Tracking
Navigation

Memory Trace®
Autonomous Navigation

Line Trace
Line Tracking
Navigation



THOUZER MINI
Nimble in narrow space



THOUZER STANDARD
Standard choice by many



THOUZER GIANT
Handle heavyweight

CUSTOMIZATION CHOICES



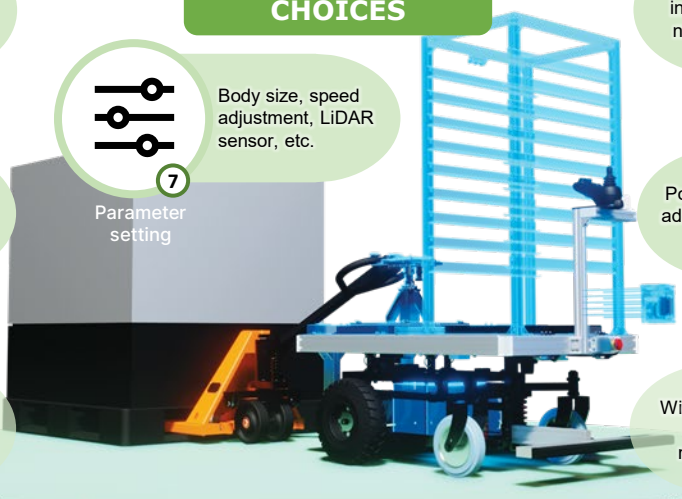
1 3D CAD files
Design based on 3D CAD file can be shared



2 Power solution
Expansion, wireless charging, fast charging



3 Towing jig customization
Hand-pallet truck and different size trolley towing



7 Parameter setting
Body size, speed adjustment, LiDAR sensor, etc.



4 I/O control
Status output, input from wireless network/ PLC, etc.



5 Peripheral power supply
Power supply for all additional peripheral devices available



6 IoT connectivity
Wi-Fi/ cloud network can be set up for remote monitoring

**Illustration purposes only*
**As the scope of customization is large, please refer to Doog / Doog distributor for more details*

THOUZER E シリーズ SERIES

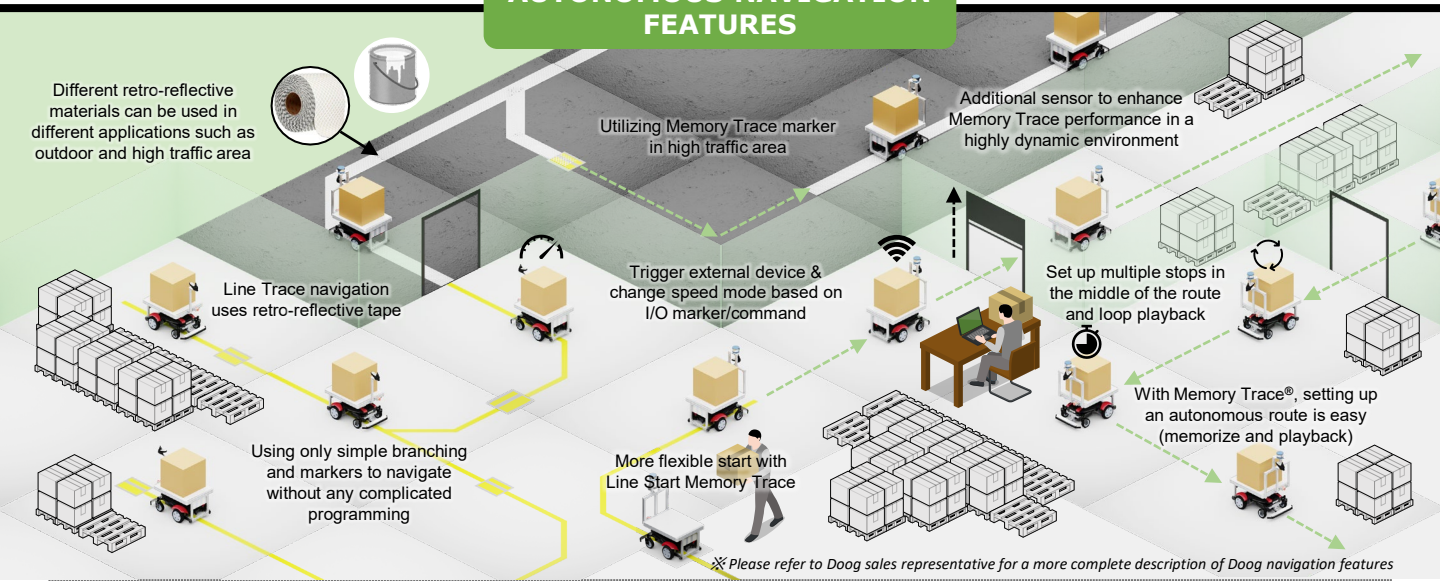
サウザー

PRODUCT SPECIFICATION

PRODUCT MODEL			THOUZER MINI (RMS-05E2)	THOUZER STANDARD (RMS-10E2)	THOUZER GIANT (RMS-15E2 / 15E2A / 15E2B)
DIMENSIONS	Robot Dimension		450 mm (W) 485 mm (L)	600 mm (W) 950 mm (L)	700 mm (W) 1180 mm (L)
	Loading Platform		330 mm (W) x 450 mm (L)	600 mm (W) x 750 mm (L)	700 mm (W) x 1000 mm (L)
	Platform Height		295 mm	455 mm	455 mm
PAYLOAD	Payload		60 kg	120 kg	300 kg
	Towing Capacity ※1		150 kg	300 kg	600 kg / 1,000 kg / 2,000 kg
SPEED & MANEUVERABILITY	Max Speed		5.5 km/h (FM), 3.6 km/h (MT/LT)	7.5 km/h (FM), 3.6 km/h (MT/LT)	
	Minimum Radius of Rotation		~0.36m	~0.72m	~1.0m
	Maximum Slope Gradient		6 Degrees (maximum payload)		
	Maximum Step Traversing		3 cm (edge 45°)		
POWER	Battery (Lead-acid type)		2x 12V 22Ah	2x 12V 34Ah	2x 12V 75Ah
	Battery Run Distance (No towing)		Up to 15 km (Full Charge)	Up to 20 km (Full Charge)	Up to 20 km / 10 km / 7 km
	Charging Time		Approximately up to 8 Hours (0% - 100%)		
PROTECTION	IP Class		N/A	IPX2	
SENSOR & SAFETY SYSTEM	Standard LiDAR Sensor	Specification	Memory Trace Range (30m) Height (~30 cm) FOV (320°)		Memory Trace Range (30m) Height (~30 cm) FOV (270°)
	Additional LiDAR Sensor (MT)	Specification	3D: Memory Trace Range (100m) and +15 degrees vertical view angle / 2D: Memory Trace Range (30m) Height (adjustable between 1.2m to 2.0m) FOV (360°)		
	Additional LiDAR Sensor (LT)		Optional for Line Trace / Highway navigation		
	Safety Features		Obstacle Detection, Emergency Stop Button (Front), Bumper Switch Alarm Device (Sound) Indicator Light (Op)		

※1 *Please refer to product manual for safe use.*

AUTONOMOUS NAVIGATION FEATURES



※ *Please refer to Doog sales representative for a more complete description of Doog navigation features*

Doog

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Product PV

Distributor:

Product specifications, appearance, prices, etc. are subject to change without notice
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