



ROBOTIC CART

# THOUZER



### 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



**Follow Me Mode**  
*Target Tracking  
Navigation*



**Memory Trace® Mode**  
*Autonomous Navigation  
(Memorise and Playback)*



**Line Trace Mode**  
*Retro-Reflective  
Line Tracking  
Navigation*

### APPLICATION USE CASES

**Roll Cage with Towing Cart**  
(Manufacturing, Linen, Logistics)

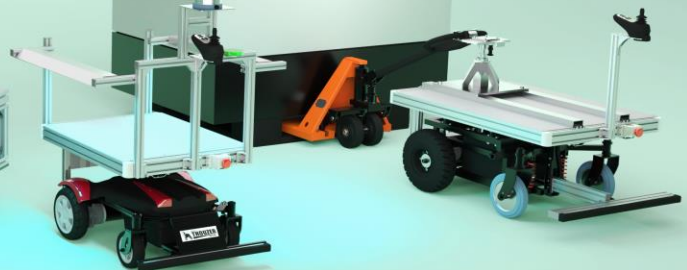


**Pallet Transportation with Pallet Jack**  
(Logistics)

**Pallet Transportation**  
(Logistics)



**UV-C Light**  
(Disinfection)



Contact us today for pricing and schedule with us a free technical assessment

## PRODUCT SPECIFICATION

		THOUZER BASIC	THOUZER	THOUZER GIANT
DIMENSIONS	Robot Dimension	600mm (W) 950mm (L)	600mm (W) 950mm (L)	700mm (W) 1180mm (L)
	Loading Platform	600mm (W) x 750mm (L)	600mm (W) x 750mm (L)	700mm (W) x 1000mm (L)
	Platform Height	455mm	455mm	455mm
PAYLOAD	Payload	120 kg	120 kg	300 kg
	Towing Capacity ※	300 kg	300 kg	600 kg
SPEED & MANEUVERABILITY	Max Speed	7.5 km/h	7.5 km/h	7.5 km/h
	Minimum Radius of Rotation	~0.72 meter	~0.72 meter	~1.0 meter
	Maximum Slope Gradient	6 Degree (With Full Load)	6 Degree (With Full Load)	1 Degree (With Full Load)
NAVIGATION FUNCTIONS	Follow-Me	Availability	✓	✓
		Availability	✓	✓ (Optional)
	Memory Trace®	Number of Routes	5	> 5
		Availability	N/A	✓
	Line Trace	Highway Availability	N/A	✓ (Optional)
Availability		N/A	✓ (Optional)	
POWER	Battery	Lead Acid Type (2x 12V 34Ah)		Lead Acid Type (2x 12V 75Ah)
	Battery Run Time (Distance)	Up to 20 km (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) Height (33cm) FOV (320°)	Maximum Distance (10m) Height (30cm) FOV (270°)
	Safety Components		Emergency Stop Button Bumper Switch Alarm Device (Sound) Indicator Light (Optional)	Emergency Stop Button 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	✓	✓

※Please refer to product manual for safe use



**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

Southwestern PTS  
200 E Belt Line Rd #301  
Coppell, TX 75019  
(972) 745-1900  
Email: jbenge@southwesternpts.com