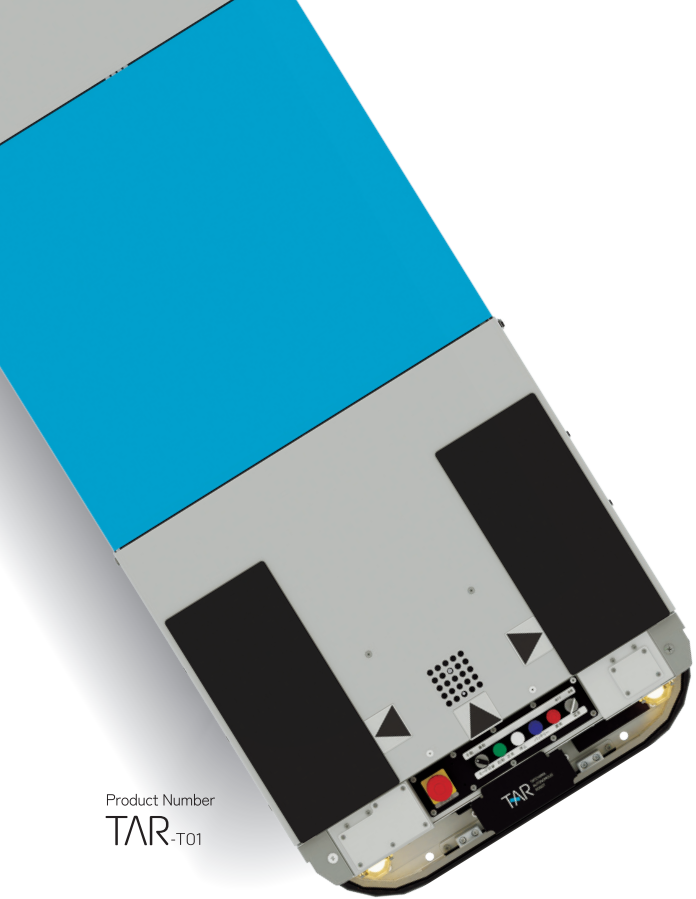


Low-height Autonomous Mobile Robot

TAR

TATEYAMA
machine
AUTONOMOUS
mobile
ROBOT



Product Number
TAR-T01

Achieving Introducing an autonomous mobile robot by restraining additional investment.

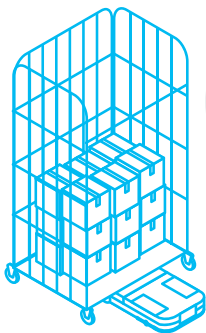


This is a low height autonomous mobile robot that can navigate autonomously and flexibly respond to any changes in running route and area.

No large additional investment will be required, such as construction work for laying magnetic tape or remodeling to be transported targets.

Achieving both

low height and high output

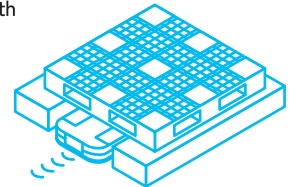


Height of robot
132mm
※Standard machine

Maximum carry weight
800kg

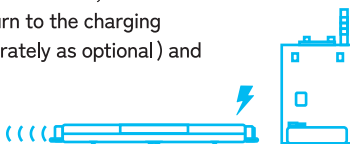
Pallet transport also adaptable

By introducing a compatible model with pallet transport, pallets can be transported as it is.



Automatic charging function

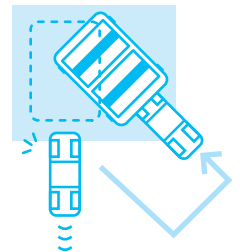
When the battery level is low, it will automatically return to the charging station (sold separately as optional) and begin charging.



Even if the target to be transported is misaligned, there is no need to reposition it.

As far as it will be within the set area, there is no need to reposition it even if transported target is misaligned.

- Equipped with automatic entry & automatic gripping function to the transported targets
- High-precision autonomous driving is possible (no need for magnetic tapes, etc.)



Cautions

- In order to operate this autonomous mobile robot, it is necessary to build a 5GHz wireless network, install a dedicated server, and introduce the group control system software.
- This autonomous mobile robot cannot be used outdoors.
- There are restrictions on the size of boxes that can be transported.
- Please contact our sales department for details.

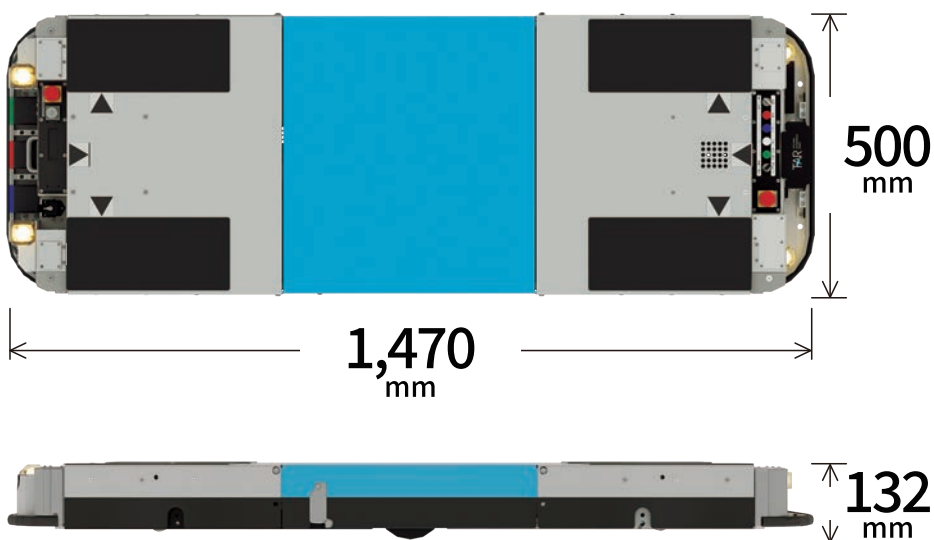


Equipment overview

Product Number		TAR-T01	TAR-T02
Main specifications	Device dimensions	W 1,470 × D 500 × H 132 mm	
	Device weight	Approx. 190kg	
	Exterior paint color	Light blue / Gray	
	Running method	Forward/ backward/turning/carving using two-wheel speed difference method	
	Movement Speed (max)	Forward : 60 m / min, backward : 12 m / min	
	Stopping accuracy	Within ±50 mm (unloaded)	Within ±10 mm (unloaded)
	Transportable capacity	Maximum 800kg	
	Guidance method	Self-position estimation and guidance method based on electronic map	
	Driving time	Approx. 5hours (Lithium-ion battery charging time : Approx. 2hours)	
Main functions	Lifting function	Independent front and rear lifting system (automatic/manual)	
	Safety function	Emergency stop switch, bumper switch, step sensor, brake release switch	
	Obstacle detection function	Front : Laser sensor detects obstacles and slows down/stops Rear : Ultrasonic sensor detects obstacles and stops	
	Caution warning function	Lamps with turn signal function, speaker	
	Others	For operation foot switch	
Environmental condition	In operation	Temperature : 0 to 40°C, allowable relative humidity 30 to 80%RH (no condensation)	
	In storage	Temperature : -20 to 60°C, humidity 80%RH or less (no condensation)	

External dimensions diagram

Image is for illustrative purposes only



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Warning! important safety instructions

- Before using this product, please ensure to read the instruction manual carefully and use it correctly.
- To ensure the safe use of the products listed in the catalog, please make sure to enact the correct work by carefully reviewing the instruction manuals and warnings provided with the equipment, regardless of whether it is in operation or shutdown about handling.