



Deliver New-Normal lifestyle convenience
to every corner of the world

Autonomous Mobile Robot and
Solution provider, TWINNY

WHY TWINNY



Labor cost reduction & production improvement

Increase productivities & efficiency
by letting the robot perform
repetitive tasks



Flexibility

Ability to adapt in changeable work
environment such as warehouse
and production lines



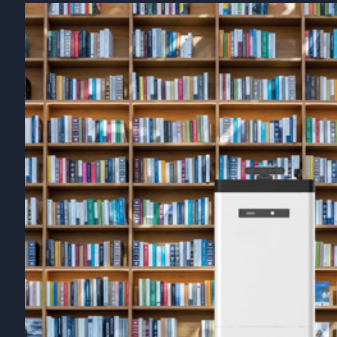
Scalability

Easy to deploy additional robots
in short time

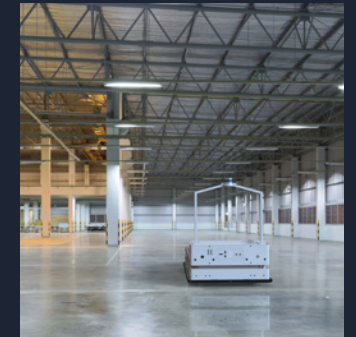
APPLICATIONS



Office



Library



Factory



Logistics Center



Skyscraper



Apartment



ABOUT NARGO

NO QR CODE, BEACON, UWB

Your efficient carrying partner, NarGo
Introduce autonomous convenience into your daily life



NarGo60

Max. Speed	1.2 m/s
Load Capacity	60 kg
Max. Operation Hours	8 Hours
Charging Time	2 Hours
Size (W* L* H)	0.50 m* 0.74 m* 1.24 m
Weight	88 kg



NarGo100

Max. Speed	1.2 m/s
Load Capacity	100 kg
Max. Operation Hours	8 Hours
Charging Time	2 Hours
Size (W* L* H)	0.69 m* 0.96 m* 1.47 m
Weight	200 kg



NarGo500

Max. Speed	1.5 m/s
Load Capacity	500 kg
Max. Operation Hours	8 Hours
Charging Time	3 Hours
Size (W* L* H)	1.06 m* 1.38 m* 1.37 m
Weight	330 kg



Charging Station

Max. Speed	-
Load Capacity	-
Max. Operation Hours	-
Charging Time	-
Size (W* L* H)	0.54 m* 0.47 m* 0.55 m
Weight	30 kg



Pallet Holder

Max. Speed	-
Load Capacity	-
Max. Operation Hours	-
Charging Time	-
Size (W* L* H)	1.32 m* 1.20 m* 0.35 m
Weight	80 kg

WHY NARGO



No infrastructures required
such as QR code, beacon, UWB



Secured safety through
LiDAR and ultrasonic sensors



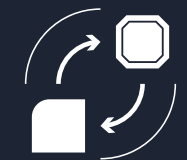
Competitive price without
initial & maintenance cost



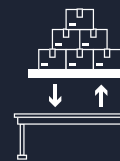
Automatic charging system



Ability to use elevator



Compartment customization
available



Ability to co-working
with pallet system



Collaboration with forklifts

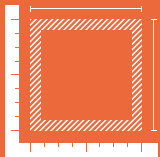
WHY TARGO



Robust target following technology without any additional devices



Never miss the target even in a complex environment



Using size Information for target recognition



Using color Information for target recognition



Using motion Information for target recognition



Using location Information for target recognition

ABOUT TARGO

NO Devices, Free up your hands!

One second, one touch is enough with TWINNY's TarGo Target Following Robot, TarGo



TarGo60

Max. Speed	1.0 m/s
Load Capacity	60 kg
Max. Operation Hours	8 Hours
Charging Time	2 Hours
Size (W* L* H)	0.54 m* 0.9 m* 1.25 m
Weight	140 kg

TarGo100

Max. Speed	1.2 m/s
Load Capacity	100 kg
Max. Operation Hours	8 Hours
Charging Time	2 Hours
Size (W* L* H)	0.69 m* 0.96 m* 1.29 m
Weight	200 kg

SAFETY



Environment recognition using 2D LiDAR and RGBD camera

Trajectory planning that leads safe and precise movement by recognizing obstacle



Stop in danger moment using Ultrasonic sensor

Obstacle recognition with ultrasonic sensor where 2D LiDAR and RGBD camera cannot detect



Emergency stop using bumper and pressure sensor

Accident prevention by emergency stop through receiving signal from bumper

TWINNY

· CEO: H.S Cheon, Y.S Cheon

· Incorporation: Aug.2015

· Company specializes in autonomous mobile robot software

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TWINNY



 **YouTube**