



NarGo Order Picking Solution

for Logistics Center Automation



TWINNY

Autonomous Logistics Robot Specialist

Autonomous Logistics Robot

NarGo Order Picking

Custom wrapping designs tailored to client branding are available.

Cargo boxes can be customized for various picking scenarios.



Introduction Effects

Accurate Navigation | Fast Picking
Stable Operation | Easy Installation

01 Compatible with Existing Logistics Centers

Can be applied immediately without additional infrastructure in your current logistics facility.

02 64% Reduction in Labor Costs

Save up to 80% on labor and consumables costs.

03 3x Productivity Increase

Reduces picking time, task complexity, and worker fatigue, enabling greater task throughput.

04 90% Reduction in Picking Errors

Drastically decreases picking mistakes, reducing cost losses and improving overall efficiency.

05 Minimized Unnecessary Round Trips

Optimized task routes improve operational flow and reduce redundant movement.

06 Ready for Immediate Deployment

Affordable rental pricing and quick installation allow easy adoption without burden.

Use Cases

Seamless Autonomous
Navigation, Anywhere

Operates flawlessly in all environments and conditions,
even when handling diverse materials and complex situations.



Mezzanine

B2B ————— Apparel
High-Mix, Low-Volume —————
Multi-Order Picking —————

| AGABANG & COMPANY |
아가방엔컴퍼니



High Rack

B2C ————— Cosmetics
Low-Mix, Low-Volume —————
Total Picking —————

STL
START TODAY



Lightweight Rack

B2C ————— Apparel
High-Mix, Low-Volume —————
Multi-Order Picking —————

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아가방엔컴퍼니



High Rack

B2B ————— Cosmetics
Low-Mix, High-Volume —————
Total · Multi-Order Picking —————

YONGMA LOGIS



High Rack

B2B ————— Pharmaceuticals
Low-Mix, High-Volume —————
Multi-Order Picking —————

PICO Innovation



High Rack

B2C ————— Health Supplements
Low-Mix, Low-Volume —————
Total Picking —————

Charm
참물류

Deployment Examples

Immediate Deployment, Immediate Impact!

Our proven solution has already demonstrated its effectiveness across numerous enterprises.

STL
START TODAY

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Kurly Nextmile

YONGMA LOGIS

PICO Innovation

ITS
INTAC SOLUTION

Charm
참물류

빕커피
COFFEE

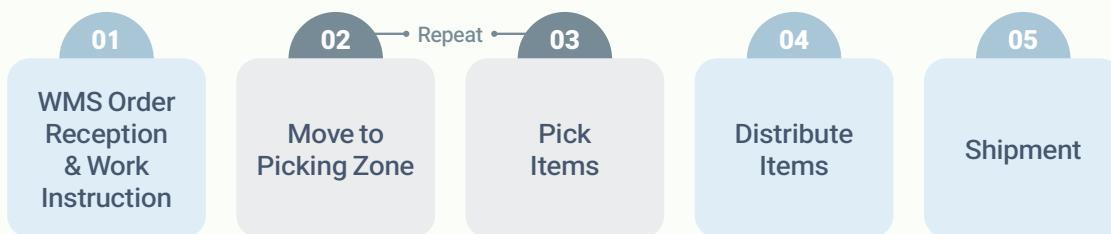
DN SOLUTIONS

Order Picking Solution

TWINNY's AI-powered **NarGo Order Picking** maximizes efficiency and safety, tailored to your site's needs for example item properties, environment, and workflows.

Scenarios

Total Picking



By batch-picking multiple orders into a single container, the scenario reduces picking time through simultaneous order processing.

Multi Order Picking



By using order-specific totes to perform picking and sorting simultaneously, the system enhances work efficiency and accuracy by handling multiple invoices at once.

Returns · Inbound Scenarios



During returns and inbound processes, barcode scanning alone enables automatic location movement and placement, allowing for flexible logistics operations.

Core AI Technologies

AMR integrated with AI
for smarter autonomous operation

01 Order Distribution Optimization

Analyzes orders to match optimized SKUs and locations, efficiently grouping invoices to maximize order processing speed.

02 Control System

Enables multiple robots to plan routes without collisions and avoid obstacles even in noisy environments, ensuring smooth operation.

03 Obstacle Recognition Technology

Allows robots to efficiently detect and avoid forklifts without the need for reflective tape, enhancing safety and navigation.

04 Integrated Order Analysis

Analyzes CBM, SKUs per invoice, and order volume to suggest optimized picking methods using single, batch, robot, or forklift picking strategies.

Detailed Specification

Basic Specification

Size	696 x 546 x 1,509 mm
Shelf Size	500 x 509 mm
Speed	Max. 1.5 m/s
Operating Humidity	Under RH 80 %
Operating Illumination	100 - 1000 lx
Network	Wi-Fi, LTE
Payload	100 kg
Operating Temperature	0 - 40 °C

Battery · Motion Performance

Battery	29.4 V, 54 Ah
Charging Hours	Under 3hours
Operating Hours	Max. 8hours
Charging Method	Automatic · Manual
Step · Gap	± 20 mm · 30 mm
Max. Gradability	5°
Stop Resolution	100 mm

Safety Device

3D LiDAR (Environmental information recognition)

2D LiDAR (360° omnidirectional obstacle detection)

Bumper (Collision detection)



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