

TOSHIBA

AMR | Autonomous Mobile Robots

Goods-to-Person AMRs



Advantages

Reduce physical strain

No need to walk around a large warehouse looking for goods.

Reduce human errors

Reduce picking errors with color coded intuitive picking.

Flexibility and Scalability

Change system according to change of items, work flow, or peak times.

Leave it to Toshiba's AMRs to "find and transport goods"

Before

Increased risk of delays and errors due to accumulated fatigue from walking and searching of items.



Collect containers
Check order list

Find location
Move to rack

Check and pick
required goods

Place in container
Double check list

Move to the
sorting area

Multiple work steps

After

Much faster picking of goods. Reduced risks of work delays and errors, due to less work steps.



AMR moves to the bottom
of the shelf

Lifts the shelf and moves
to work station

Check list and goods,
then pick required quantity

Significantly reduced work steps

Smart, flexible, and easy to use

Easy

Color coding to prevent picking operation errors

Color-coded shelf racks improves visibility of the precise location of the goods to pick. Pictures and instructions are shown on the operator screen for intuitive picking. Ergonomic station layout enhances efficiency of the work procedure.

Lamp indicates location and number of goods to store



Operator screen displays description of goods and instructions

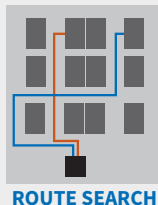


Example : Pick 3 pieces from A01 shelf and store to B11 box

Smart

Optimized shelf positioning and route selection

Real-time rearrangement of shelf positions for the best route to the work stations, generated from order lists.



Flexible

System alignment

Rearrange picking orders according to actual operations. Prioritize urgent orders and shipments. Integrate with existing systems.



AMR specifications

Dimensions	L 980 x W 680 x H 245 mm (L 38.58 x W 26.77 x H 9.65 in.)	Stopping accuracy	±10 mm (±0.4 in.)
Weight	160 kg (352.74 lb.)	Battery	Lithium ion DC48V/27Ah
Maximum load	800 kg (1,763.7 lb.)	Wireless communication	Wi-Fi 2.4G (Optional: Wi-Fi 5G, 5G, infrared)
Transport speed	2.2 m/sec. (86.61 in./sec.)	Power supply	3-phase 200V/10A

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