

Robot Arm Picking Station

Product Introduction

Description:

Robot Arm Picking Station can be integrated with Geek+ Tote-To-Person Solution, and can support both order picking and batch picking to achieve fully automated picking workflow, ensuring 24/7 continuous operations.

Operational Efficiency: Up to 3~6 times higher efficiency than manual picking.

Scenario Application: Piece Picking

Robot Used:

Robot Arm, Vision System, Picking Workstation, P40

Industries Served: E-Commerce, Retail, Grocery, Pharmaceutical, Manufacturing

Scalability: Add picking stations and robots based demand

Software Platform: RAPS (Robot Arm Picking Station System)
RMS (Robot Management scheduling), WES (Warehouse Execution System)



Order Picking

Focus On Immediate Order Response

Integrated with a PopPick workstation and a vertical seeding wall, this build is designed for discrete picking operations. It has the capacity to process 20+ concurrent orders. Completed picks are transported directly to the packing station, removing the secondary sorting process. This build is optimally suited for scenarios demanding extreme timeliness and characterized by fragmented, high-frequency orders, as it drastically reduces the processing lifecycle per order.

Batch Picking

Focus On Efficiency-Optimized Processing

This build is engineered for efficiency through a consolidated order handling workflow. The process involves a primary "batch-pick" wave for like-items, followed by a secondary "order sortation" stage. This solution is best suited for operational environments characterized by concentrated order volumes and high material/common item repetition, and where a degree of pre-processing lead time is permissible to achieve superior total operational efficiency.