

INFINITI HAIPICK



"Next Generation **warehousing** and **storage automation** with Autonomous **Case Handling Robotics** and **Goods to Person** capabilities supported by AI"



Goods-to-Person Robotics **Material Transfer Concept**

Give your goods a fast leg

With the precision and high speed of ASRS and the flexibility of AMR, reduce the inefficiency of material handling and transfer by sending the object to person instead of finding it manually

Machine to Robot **Communication**

Let the machines do the talking

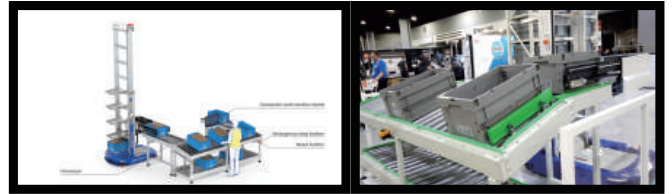
Make Machine to Robot Communication possible through Wireless I/O Communication / Data Transmission to ensure that no materials are left behind and your delivery system is fool proof



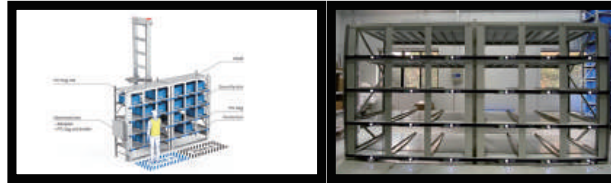
HAIPICK INBOUND/OUTBOUND INTERFACE



Manual Workstation



Conveyor Workstation



Shelving Workstation

Specification

HAIPICK MODEL	A42 (Standard Toe Picking)	A42N (Mixed Carton/Tote Picking)
General Dimension L*W*H (mm) Box / Tote Dimension L*W*H (mm) Robot Load (Kg) Cased Load (Kg) Storage Capacity Navigation Driving Direction Visual Recognition	1600x1000x4300(mm) 600x400x(120~300)(mm) 150(Customizable up to 300) 30(Customizable up to 50) 5(Customizable up to 8) IMU + DM code Forward / Reverse / Rotate 2D	1600x1000x4330(mm) (300~600)x(300~400)x(150~330)(mm) 150(Customizable up to 300) 30(Customizable up to 50) 5(Customizable up to 8) IMU + DM code Forward / Reverse / Rotate 3D
Safety Protection Laser Obstacle Avoidance Sound-Light Alarm Rear Protection	Lidar Available Available	Lidar Available Available
Motion Performance Rated Speed (M/min) Driving Mode Position Accuracy (<mm)	0 - 108 Differential Drive <10mm	0 - 108 Differential Drive <10mm
Battery Performance Endurance (h) Full Charge(h) Power Rate (V/Ah) Charging Mode	5.4 <1.5 48/40 Auto	5.4 <1.5 48/40
Software Support System Dispatch Calling Scheduling WMS – Integration Connectivity	Available Available Optional Optional Wifi, 5Ghz, 802.11n	Available Available Optional Optional Wifi, 5Ghz, 802.11n



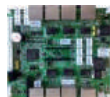
Model A42



Model A42N

Efficiency per robot: Optics, mechanics and electronics integrated design, with a number of patents.

- Picking control precision of 3mm, Travelling precision control of 10mm
- Secured safety: With obstacle detection, safety contact edges, sound alarm emergency stop button, lifting fall protection, tote detection etc.
- Self designed high cost component:



Central Control Board



Industrial Computer



Position Camera



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