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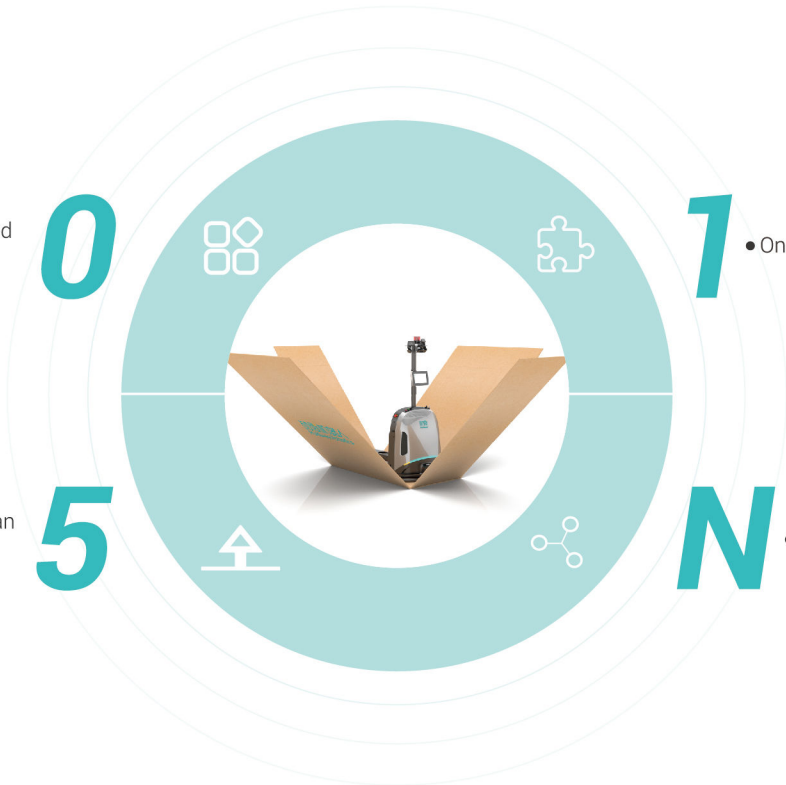


An OOTB autonomous forklift

- ✔ One instruction for unlimited use
- ✔ User-defined commission
- ✔ Multi-device user task assigning
- ✔ Smart cloud-based O&M management system



Work out of the box



- SLAM navigation, in need of no retrofitting on the scene
- One instruction for unlimited use
- Enabled in 5min as an OOTB product
- Multi-scenario/-industry application



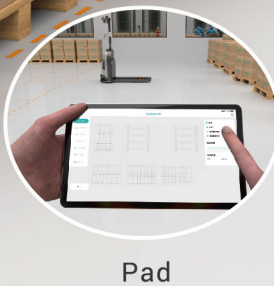
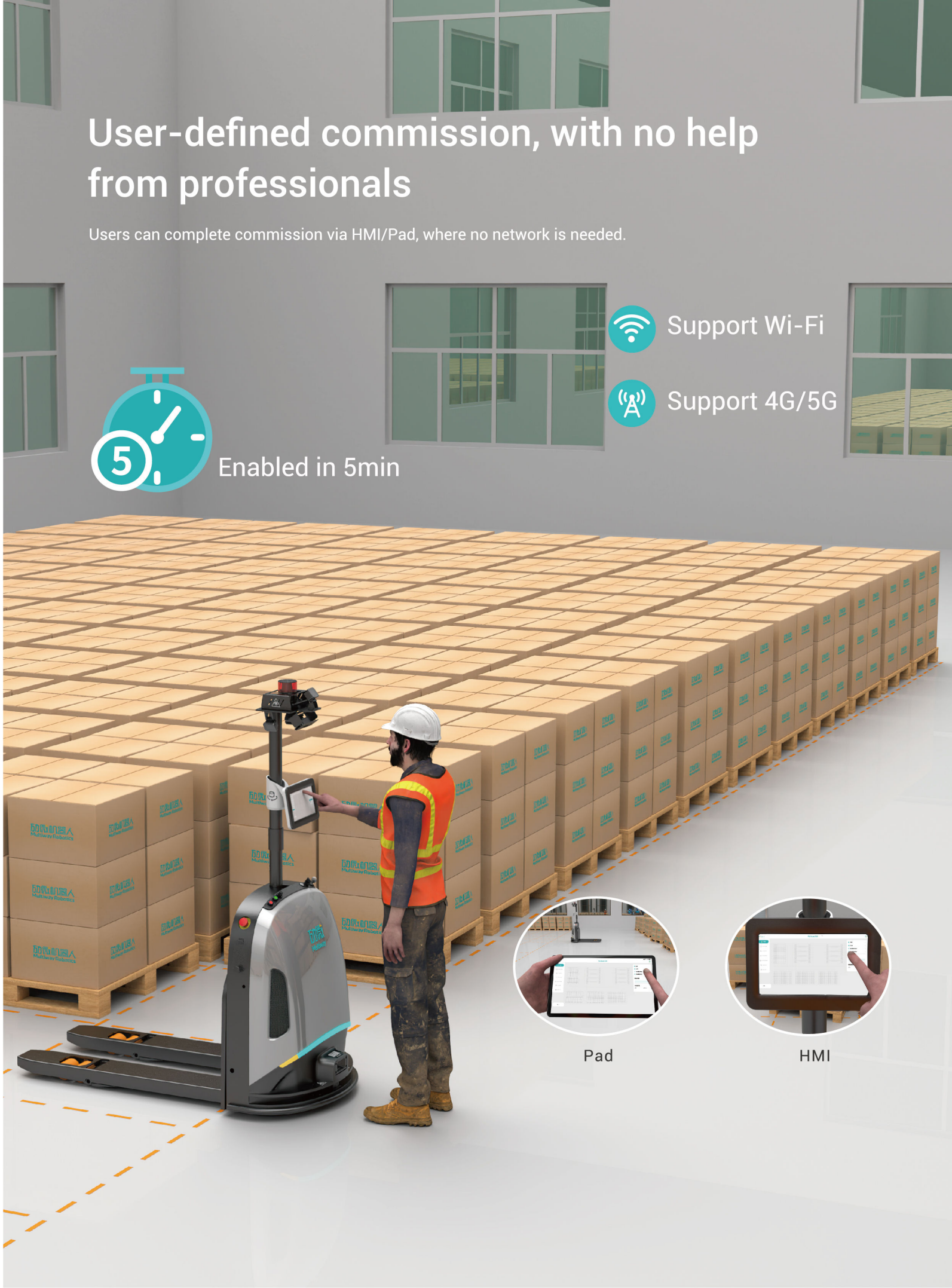
User-defined commission, with no help from professionals

Users can complete commission via HMI/Pad, where no network is needed.

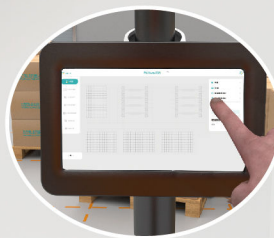


Enabled in 5min

- Support Wi-Fi
- Support 4G/5G



Pad



HMI

Smart material handling everywhere!



Pallet position recognition

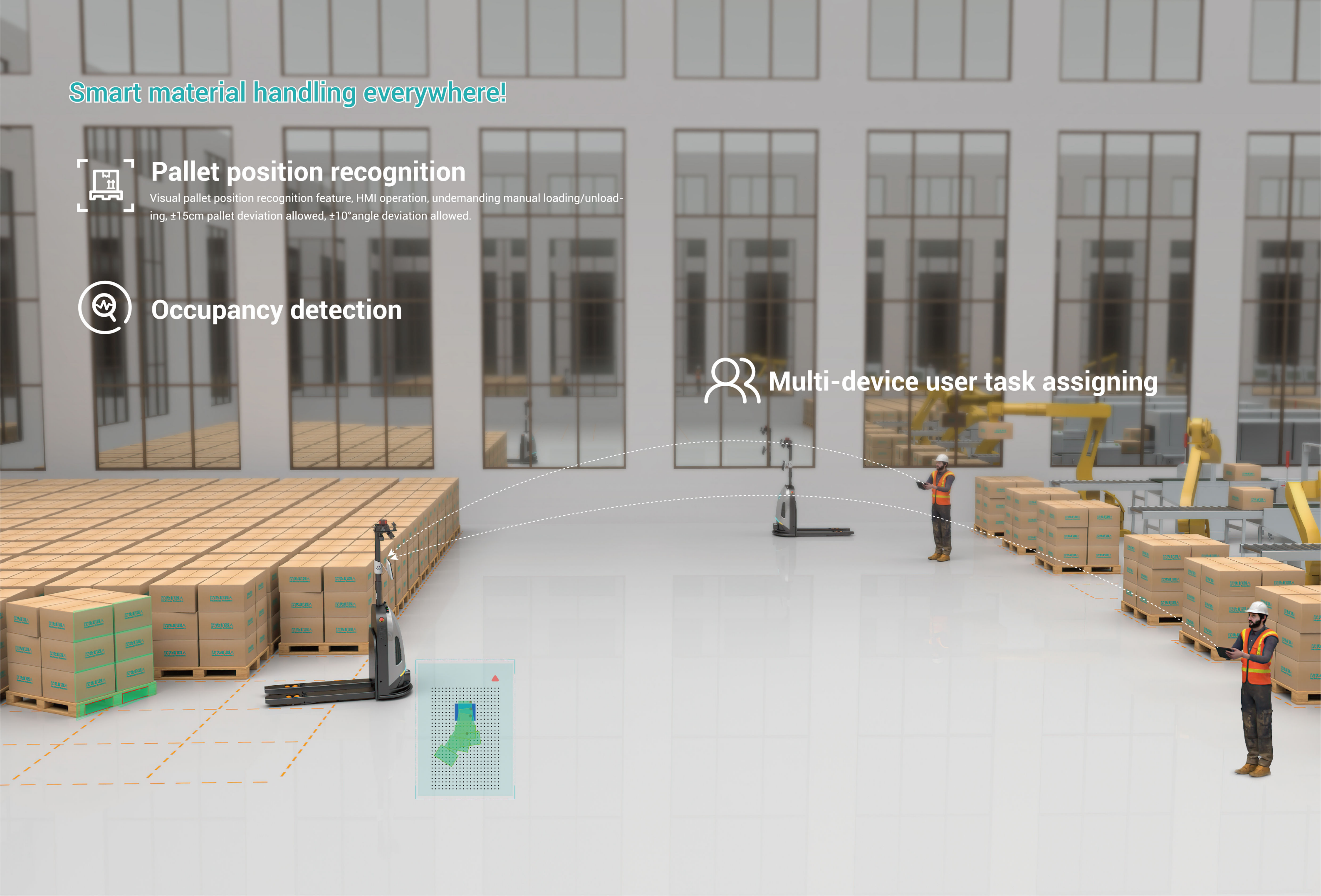
Visual pallet position recognition feature, HMI operation, undemanding manual loading/unloading, $\pm 15\text{cm}$ pallet deviation allowed, $\pm 10^\circ$ angle deviation allowed.



Occupancy detection



Multi-device user task assigning





Multi-scenario use with flexibility

Mutiway



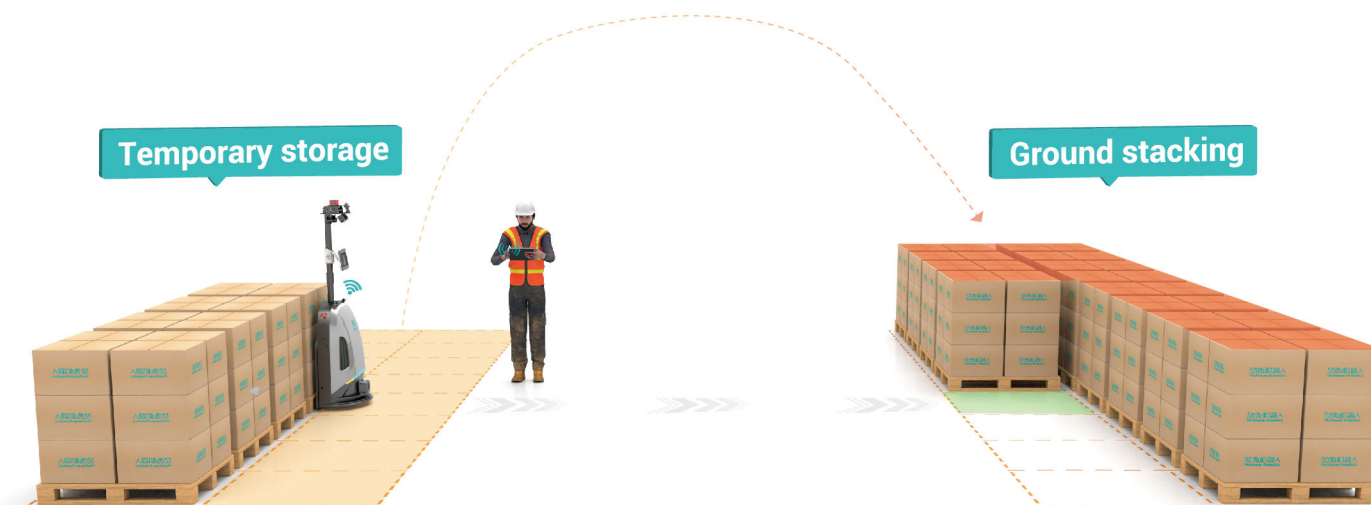
Point-to-point transport

Ground transport from point A to point B in the minimalist circulation



Array-to-array transport

The one-key setting of trans-workshop batch transport at one time.



Point-to-array transport

Assembly line operation between the designated stock and Ground stacking.

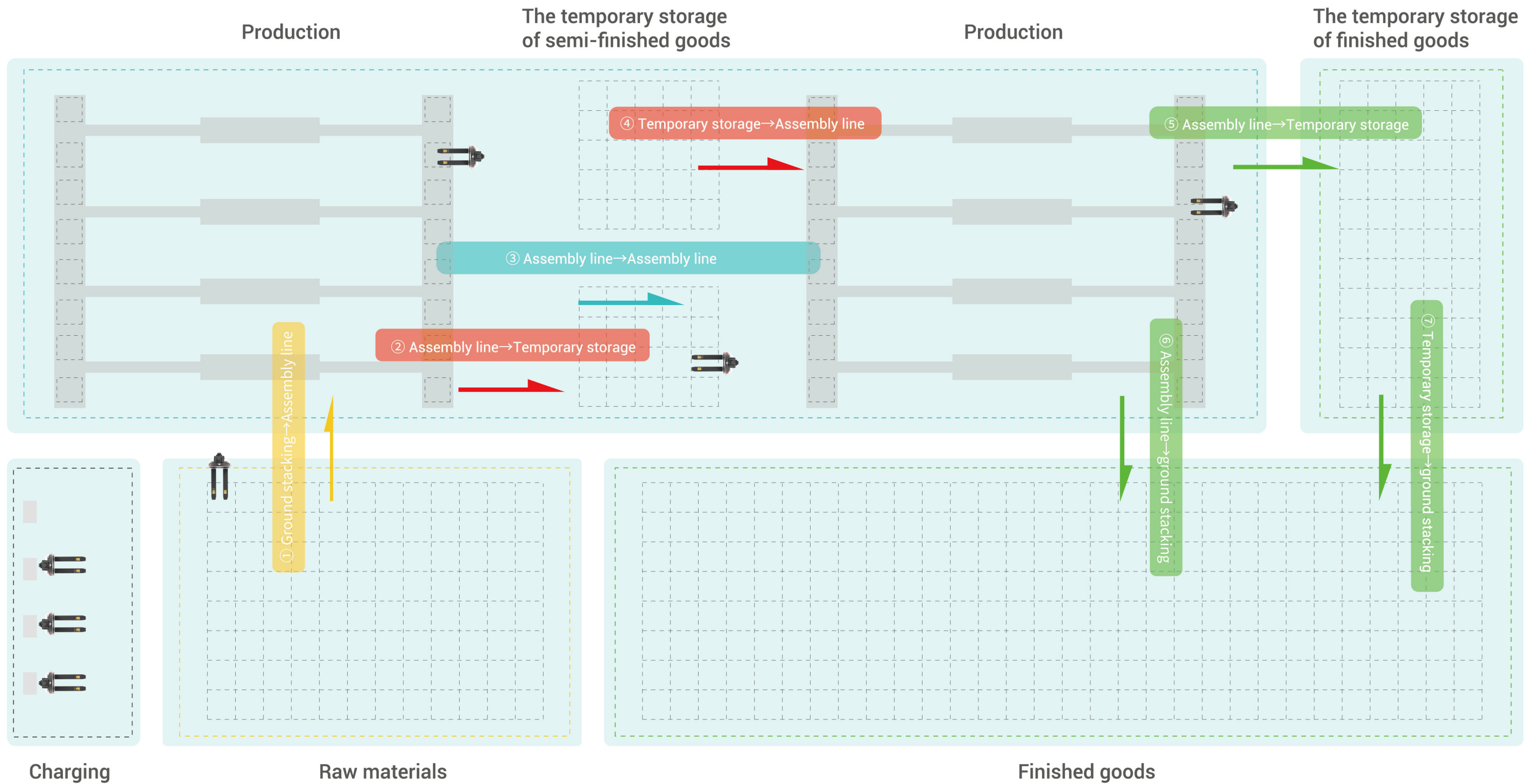


Auto charging system

A wide selection of charging policies on demand, such as time-based charging, minimum threshold charging, and end-of-task charging.



Application in all procedures of smart factory



- Scenario ① (raw materials rolled on line, Ground stacking→assembly line)
- Scenario ② (semi-finished goods in transport, assembly line→temporary storage)
- Scenario ③ (semi-finished goods in transport, assembly line→assembly line)

- Scenario ④ (semi-finished goods in transport, temporary storage→assembly line)
- Scenario ⑤ (finished goods in storage, assembly line→ground stacking)
- Scenario ⑥ (finished goods in transport, assembly line→temporary storage)
- Scenario ⑦ (finished goods in storage, temporary storage→ground stacking)



Technical Specifications

●standard ○customization —		Professional	Smart	Flagship
Navigation	Laser SLAM	●	●	●
Communication	Wireless Wi-Fi	●	●	●
	4G/5G	○	○	○
Basic Specifications	Rated Load(kg)	1500	1500	1500
	Load centre(mm)	600	600	600
	Lifting Height(mm)	205	205	205
	Fork height, lowered(mm)	90±5	90±5	90±5
	Fork Dimensions l/e/s(mm)	1150x180x60	1150x180x60	1150x180x60
	Fork spread(mm)	620	620	620
	Turning Radius(mm)	1330	1330	1330
	Aisle width(mm)	2200	2200	2200
	Weight (kg)	380	380	380
	Dimensions L×W×H(mm)	1600x850x1950	1600x850x1950	1600x850x1950
Movement Specifications	Driving Features	Forward, Reverse, and Turn	Forward, Reverse, and Turn	Forward, Reverse, and Turn
	Driving Speed (No Load/Full Load)(m/s)	1.2/1.0	1.2/1.0	1.2/1.0
	Positioning Precision (mm)	±10	±10	±10
	Cross-Groove Capability(mm)	≤10	≤10	≤10
	Climbing Capability(mm)	≤3°(5%)	≤3°(5%)	≤3°(5%)
Safety Protection	Manual/Auto	●	●	●
	Path Deviation Protection, Positioning Fault Protection	●	●	●
	Component Fault Protection	●	●	●
	Obstacle Avoidance Radar	●	●	●
	Stereo Obstacle Avoidance	●	●	●
	Fork Head Anti-Collision Detection	●	●	●
	Anti-Collision Strip	●	●	●
	Emergency Stop Button	●	●	●
	Sound & Light (Warning)	●	●	●
	HMI	●	●	●
Battery Specifications	Charging Mode	Manual	Manual	Auto/Manual
	Rated Voltage(V)	48V	48V	48V
	Lithium Iron Phosphate(Ah)	50Ah	50Ah	50Ah
	Discharge Rate/Runtime(h)	6h	6h	6h
Visual Functions	Pallet Detection	—	●	●
	Pallet Position Identification	—	●	●



World's first OOTB autonomous forklift



Low cost and high return indicate cost-effectiveness

