

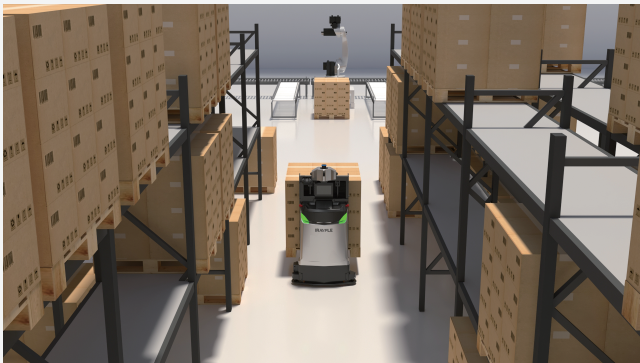
# Stacking Forklift AMR

## F150A Series

The F150A is a compact stacking forklift AMR designed to handle loads up to 1500KG. It has a maximum lifting height of 2000mm and can navigate through picking aisles as narrow as 2200mm, making it an ideal solution for companies looking to maximize storage density.



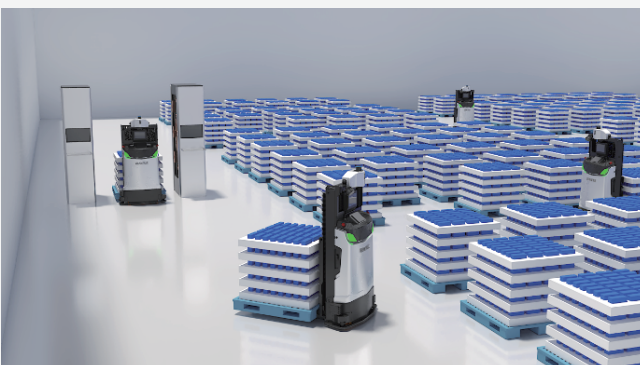
### ◆ Applications



3C Warehousing



Logistics



EV Battery Raw Material and Battery Cell Handling



PV Cell Handling

### Zhejiang HuaRay Technology Co., Ltd.

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## ◆ Features

### // LARGE LOAD CAPACITY NARROW AISLE WIDTH

- Loading capacity upto: 1500kg
- Max lifting height: 2 m
- Min aisle width: 2.2 m

### // HIGH ACCURACY NAVIGATION

- High accuracy SLAM navigation
- No reflective columns are needed for normal application

### // HIGH SAFETY HIGH RELIABILITY

- 360° and 3D safety detection by laser sensors & 3D camera
- Lower height obstacles detection
- Backward detection & pallet absence detection

### // SYSTEM COMPONENTS

- Self-adaptive pallet recognition
- Max: ±15°/10 cm deviation adjustment for pallet pickup

## ◆ Parameters

Model	F150A	
Basic Parameter	Dimensions L*W*H(mm)	1657*1015*1888
	Clearance between Fork and Floor(mm)	87±3
	Fork dimensions(mm)	180/70/1150
	Load capacity(kg)	1500
	Lifting height(mm)	1000/2000
	Navigation	SLAM
	Pallet recognition	Standard
Safety Protection	Laser obstacle avoidance	Standard
	TOF camera	Standard
	Fork laser	Standard
	Front bumper	Standard
	Sound & Light alarm	Standard
Movement Performance	Type of drive	Steering wheel
	Rated speed(m/s)	1.2(loaded)/1.5(unloaded)
	Lifting speed(mm/s)	80(loaded)/100(unloaded)
	Descending speed(mm/s)	100/80
	Min aisle width(mm)	2200(1000X1200 pallet)
	Parking accuracy(mm)	±10
Battery Performance	Battery cycle life	2000 cycles
	Working hours under standard conditions(h)	≥6
	Charging time (h)	≤1.5

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