

## Intelligent Picking System Solution

### ZHUQUE M60 / XUANWU M100



# Quicktron

### Intelligent Picking System Solution

Based on various hardware and software systems, the QuickTron Intelligent Picking System Solution consists of mobile robots, mobile racks, replenishment and picking stations, Warehouse Management System (WMS) and Robots Control System (RCS). Centering on AI-algorithm-based software system, the solution is well qualified for all warehouse operations, including racking, goods sorting, replenishment, returning, inventory counting and etc.

### Rack capable being moved to any designated operator

During all operational procedures involving the sorting area (including racking, replenishment, sorting, inventory counting and returning), it is unnecessary for any staff to access the sorting area. It will suffice for them to wait in the work station and the system will designate an AGV robot to move the required rack to the work station. Once the staff have completed its operation under system guidance, the rack will be moved back to the sorting area.

### More application scenarios

E-commerce medicine, new retail, 3PL, costume, manufacturing industry



### ZHUQUE M60

size(L*W*H)(mm)	915*715*300(mm)
dead-weight	180kg
rated load capacity	600kg
size of rack(L*W*H)(mm)	900*900(mm)
communication mode	WIFI / IEEE802.1b/g
max running speed	1.5 m/s
stop accuracy	≤ 5mm
navigation	visual 2D code+inertial+slam
obstacle avoidance	LIDAR+Anticollision bar
battery capacity	26Ah
battery life	8h (fully loaded)
charge time	≤ 1.5h (after totally discharged)

### XUANWU M100

size(L*W*H)(mm)	1110*810*300(mm)
dead-weight	260kg
rated load capacity	1000kg
size of rack(L*W*H)(mm)	1200*1200/1100(mm)
communication mode	WIFI / IEEE802.1b/g
max running speed	1.2 m/s
stop accuracy	≤ 5mm
navigation	visual 2D code+inertial+slam
obstacle avoidance	LIDAR+Anticollision bar
battery capacity	40Ah
battery life	8h (fully loaded)
charge time	≤ 1.5h (after totally discharged)