# Laser SLAM Rotatory Jacking Transfer Robot

## AMB-800K

Making transfer limitless!

### Flexible Steering & Free Rotation

Controls both the steering of the robot body and the rotation of the goods jacked

Effortlessly copes with scenes that are inconvenient to adjust the orientation of the goods

### Free switching between multiple methods of navigation

Supports pure SLAM navigation or pure QR-code navigation

Also supports the hybrid navigation with SLAM navigation as the main navigation and QR-code navigation as the secondary

### Intelligent Transferring Comprehensive Upgrading

Higher cost performance, enhanced transfer efficiency

Upgraded load capacity: up to 800kg

Max. full-load travel velocity: 1.8m/s

Quick pick & place: 2.5s

### Adaptability to various scenario demands

The overall height of only 245mm adapts to more rack transferring scenarios

Wi-Fi Roaming: 3 methods optional

QR-code Reader: Face-up/Face-down optional

Scan to follow

仙工智能

# Specifications

● Standard ○ Optional - None

| Basic parameters | AMB-800K |
|---|---|
| Navigation method | Laser SLAM |
| Drive mode | Two-wheel differential |
| Shell color | Blue and black |
| L*W*H | 980*680*245mm |
| Rotation diameter | 980mm |
| Weight (with battery) | 150kg |
| Load capacity | 800kg |
| Chassis ground clearance | 20mm |
| Jacking platform dimensions | φ640mm |
| Maximum jacking height | 50±2mm |
| jacking time | 2.5±0.5s |
| Laser scanning height | 156.1/150.5mm |
| Network | Ethernet / Wi-Fi 802.11 a/b/g/n/ac |
| Ambient temperature and humidity range | TEMP: 0~50 / RH: 10~90, no compression, no condensation |
| IP rating[1] | IP20 |

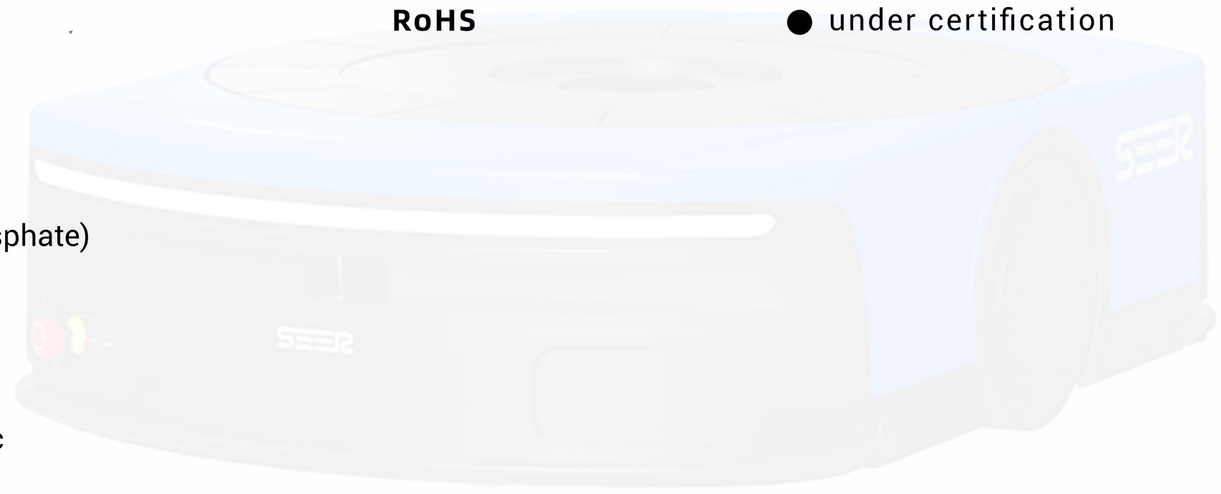
| Performance parameters | |
|---|---|
| Passability (slope/step/gap)[2] | ⩽5%/5mm/30mm |
| Minimum passable width | 820mm |
| Navigation position accuracy[3] | ±5mm |
| Navigation angle accuracy[3] | ±0.5° |
| Navigation speed | ⩽1.8m/s |
| Map area (single frame) | ⩽100000 ㎡ |

| Battery parameters | |
|---|---|
| Battery specifications | 48/27 (Lithium Iron Phosphate) |
| Comprehensive battery life | 8h |
| Charging time (10-80%) | ≤2h |
| Charging method | Manual/Automatic |
| Battery cycle number | ≤1500 |

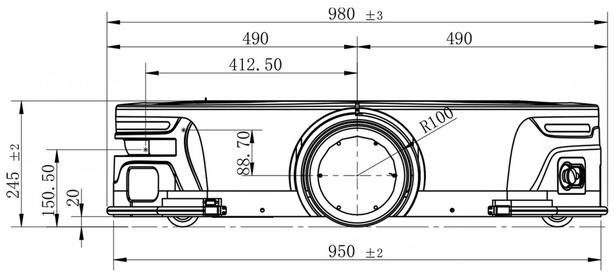
| Configurations | AMB-800K |
|---|---|
| Lidar number | 1 nanoScan3/ OLEI LR-1BS5H / OLEI LR-1BS2H |
| Number of low-position obstacle avoidance photoelectric | 0 |
| Cargo detection | - |
| E-stop button | ● |
| Speaker | ● |
| Atmosphere light | ● |
| Bumper strip | ● |

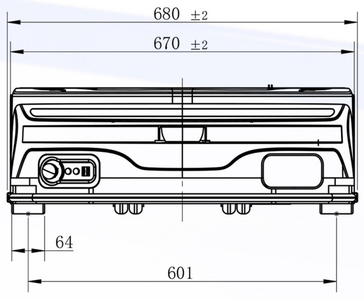
| Functions | |
|---|---|
| Basic functions[4] | ● |
| Wi-Fi roaming | ● |
| Automatic charging[5] | ● |
| Shelf recognition | ● |
| Spin[6] | ● |
| Precise location with QR code[7] | ○ |
| QR code navigation[8] | ○ |
| Laser reflector navigation | ○ |

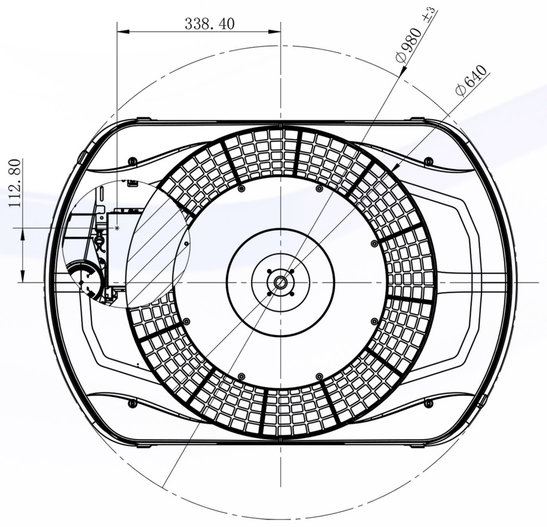
| Certifications | |
|---|---|
| EMC/ESD | ● under certification |
| UN38.3 | ● certified |
| RoHS | ● under certification |



# Dimensions（mm）




400-762-9969 contact@seer-group.com http://www.seer-group.com/zh