



STANDARD ROBOTS AMR 600

The AMR 600 autonomous mobile robot was designed as a universal platform for industrial areas customers and related institutes which have huge manually in-plant & in-house logistics along with daily production. The robot can construct environmental maps, autonomously plan and execute routes, and safely avoid obstacles. The robotic platform provides multiple external load positions, a high degree of autonomy for customer application development and secondary development. A variety of standardized application modules also provided such as conveyor belts, drum docking, jacking solutions and other handling requirements. The robot's maximum carrying capacity is 600kg.

OVERVIEW

AMR 600 aims to release human effort by autonomously handling up to 600kg payload under robot users' conduct, as a reliable assistant it improves both capacity and efficiency. The sufficient sensors with control logic ensured superb safety performance under a complex man-machine environment. The industrial design shows security and reliable from style to functionality, ergonomics implement from every detail, provides convenience to every user.



Side cover Lock

3D camera

LED strip lights

TOF sensors



Emergency Stop

Dual Lidar System

Corner Guard

Automatic charging port

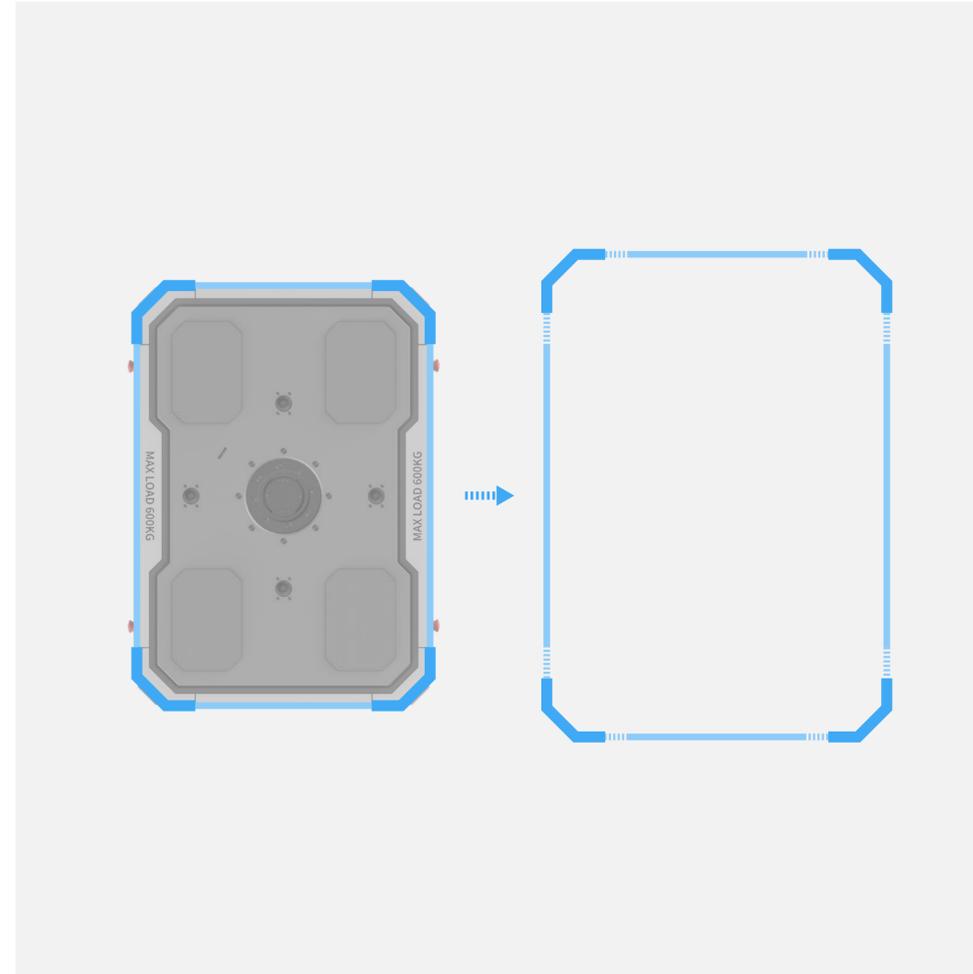
Rotatable touch screen

DESIGN STYLE



Rectangular + bevel cutting style

Easy to maintain consistent style with the expansion module.



Four sides + four corners design

Ensure the serialization products unity of the visual effect when robot's size adjusted.

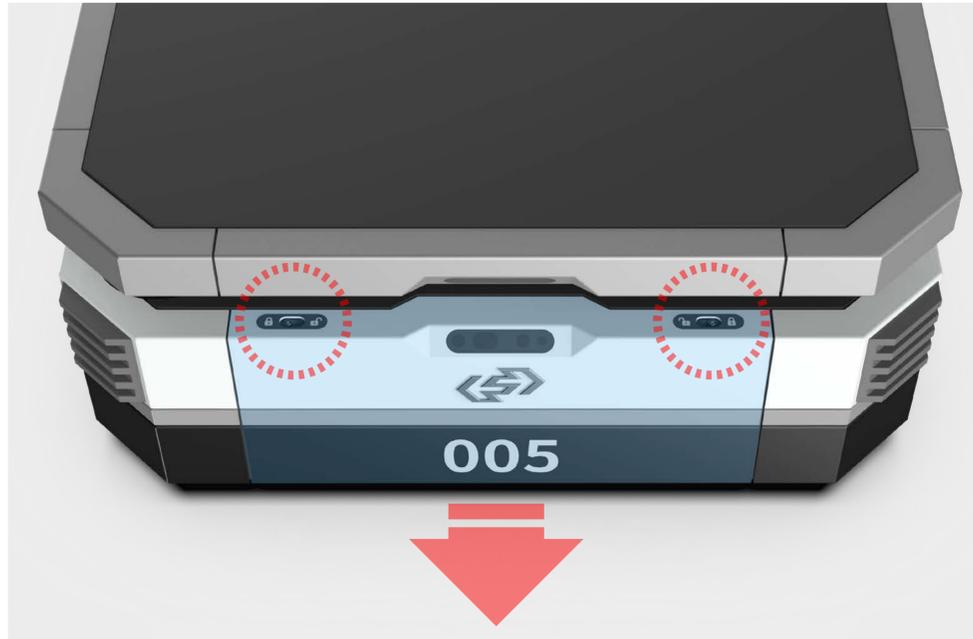


3 layers color separation

Provide customers with more optional solution when customized painting.

FOR CONVENIENCE

Convenient maintenance



Quick open cover for all four sides

Make maintenance work easier.

Modular component & quick disassembly design

Make maintenance operations more efficient.

The interactive system for ease of operation



Rotatable display screen

Make operations align with ergonomics.

Friendly interface

Simply menu, simplify the operation.

Iconic circular light



More diverse lighting mode

Easier to understand turning status.

All-around display range of robot

Easily identify the robot status in any visual angle.

FOR FUNCTION

Replaceable battery

Suitable for inconvenient charging application environment.



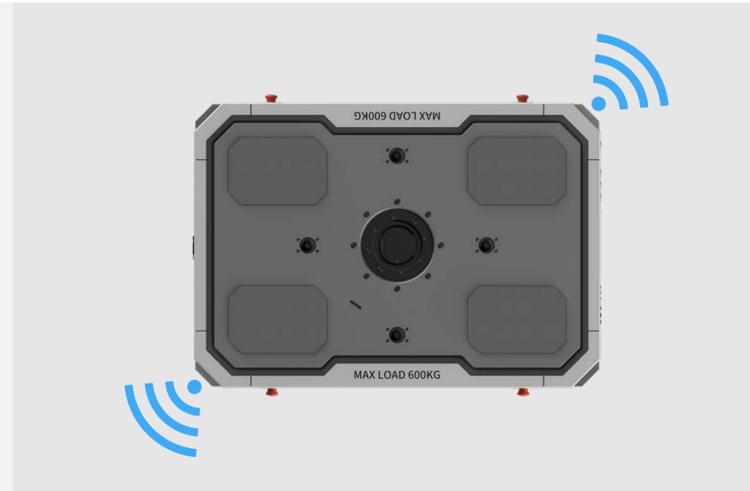
Automatic charging

support industry scenarios with 24h uninterrupted work requirements.



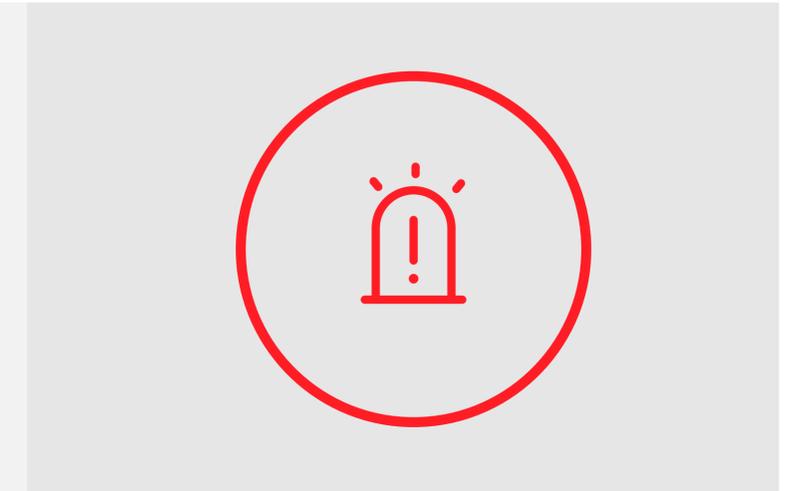
Double diagonal antenna

Better network communication performance.



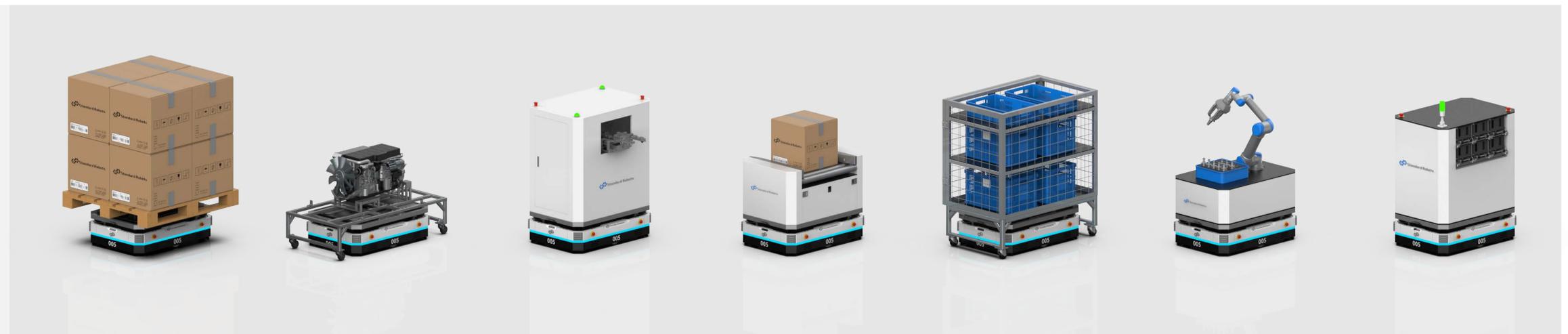
Side cover / display screen not reset alarm

Details reflect the safety concept for the operator and robot.

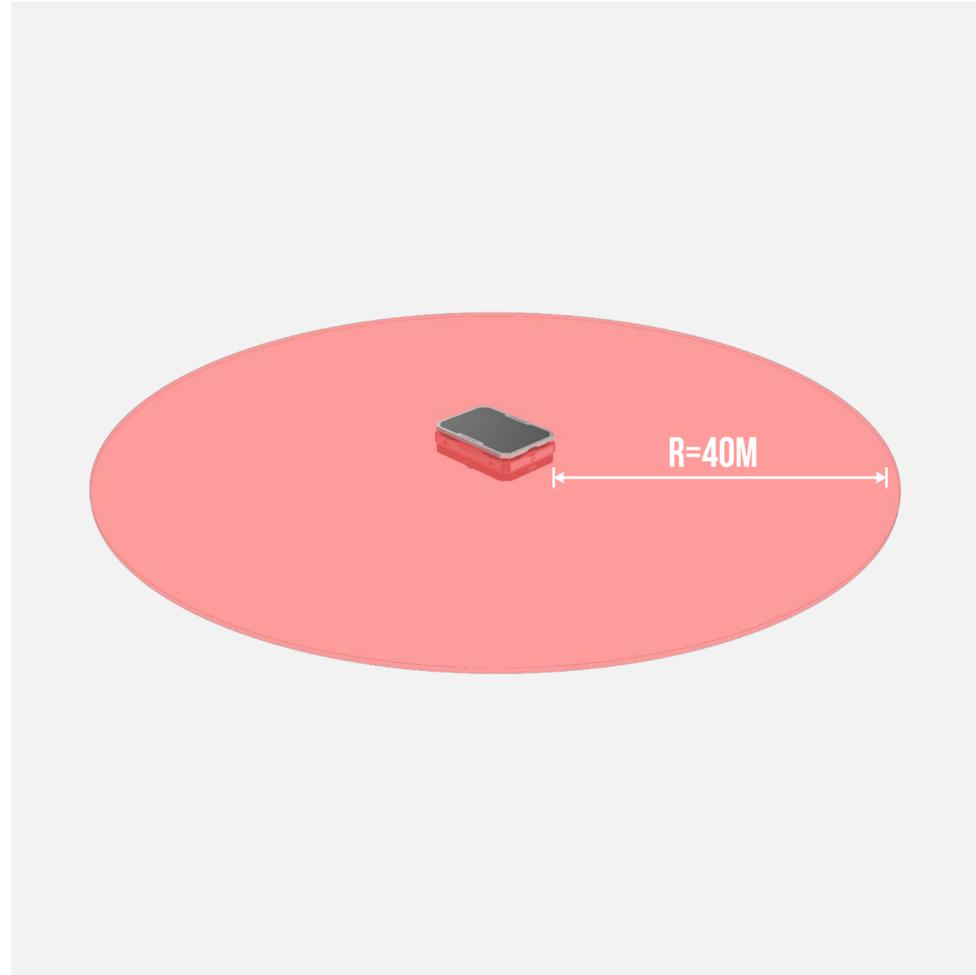


Modular application expansion

adapt to a wider range of application scenarios.



FOR SAFETY - ENVIRONMENT AWARENESS



Dual Lidar

The robot provides all-around detecting solution by carrying Dual Lidar.



3-D camera

For the obstacles beyond Lidar scanning plane, the depth visual system provides additional perception for robot.



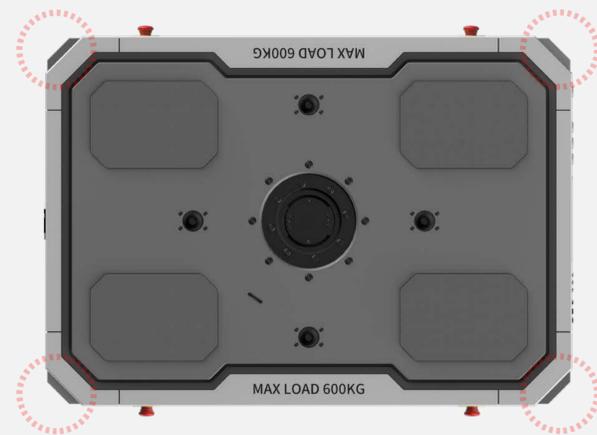
TOF sensors module

We design the robot with zero blind area obstacle avoidance even when it rotating since the sensors on every edge.

FOR SAFETY - REDUNDANCY DESIGN CONCEPT

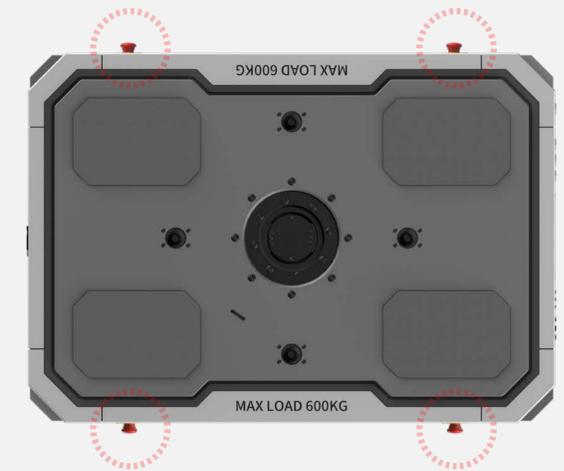
Anti-collision parts in four edges

Make the robot more leather and durable.



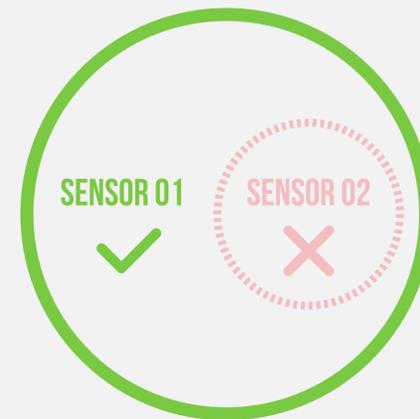
Emergency stop button arranged in four corners

Convenient to trigger from any angle.



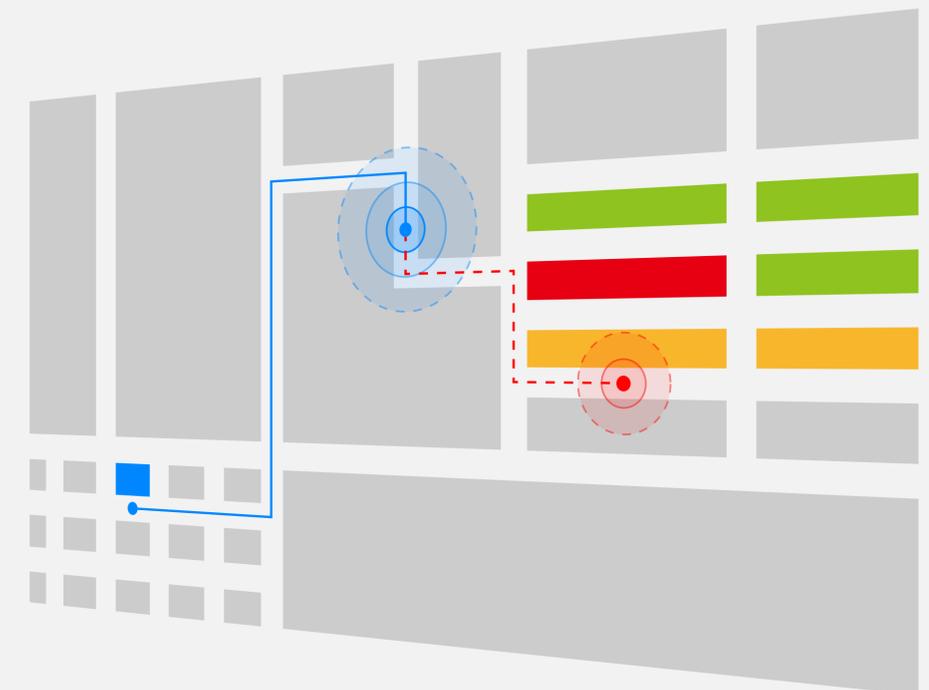
Sensor sensing redundancy

Safe and stable operation even if some of the sensors broken.



Autonomous positioning navigation

With optimized laser SLAM (Simultaneous Localization And Mapping) technology, robot running with a stable & accurate performance.



Multiple safety circuit

Ensure stable operation of the robot system.

