

Cobot S

Integrated Mobile Collaborative Robot



YouTube



LinkedIn

Integrated Mobile Collaborative Robot

AgileX Cobot S is a comprehensive mobile collaborative robot solution that integrates high-performance industrial computers, LiDAR, IMU, multi-DOF robotic arm, and visual perception. It can perform tasks such as autonomous navigation, motion control, visual recognition, and robotic arm grasping. It aims to address the technical complexity and high integration challenges that customers face when dealing with mobile robots in complex application scenarios. Cobot S can play a powerful role in various fields, including smart manufacturing, education and training, and scientific research.

Highlights

Obstacle Avoidance



Motion Control



360° Visual Grasping



Pan-and-Tiltthead



Visual Mapping



Mobile Grasping



Specifications

Dimensions

500 x 754 x 1504mm

Weight

100kg

Ground clearance

56.5mm

Positioning Accuracy

±5cm

Battery

24V60A

Maximum Speed

1.6m/s

Gripper Load

5kg

Navigation Method

SLAM navigation



- RM75-B Robotic Arm
- Work Status Indicators
- RGB-D Camera
- X-7010 Mini Computer
- Hub Motor
- Robotic Arm Controller
- Robotic Gripper
- LiDAR
- Pan-and-Tilt
- IMU
- Tray
- Power Converter
- Touch Screen
- Safety Bumper
- Router
- 3D LiDAR
- Turn Signa
- Automatic Charging Pile