



# RIA A2D PROVIDES INTEGRATED SOLUTIONS FOR EMBODIED DATA SYSTEM



# ABOUT US



## Our Mission

With a presence on 2 continents, consisting of manufacturing capabilities in Asia and Engineering and R&D in both Asia and Europe, our mission is to support partners and end customers with advanced robotics solutions that help optimize operations and of costs, increasing productivity and eliminating risks of accidents and repetitive tasks for the human resource, the most valuable resource for any company.



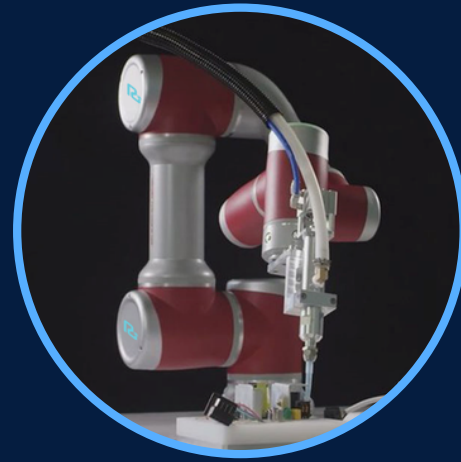
## Our Vision

Robot Industries International strives to be a reliable partner for small and medium-sized companies but also for brands with global reach. Whether it is industrial or collaborative robots, robots in cleaning or retail applications, intralogistics or disinfection applications, all these directions are already open doors for Robot Industries.

# #RI SOLUTIONS



Industrial Robots



Collaborative Robots



Intralogistic Robots



Cleaning Robots

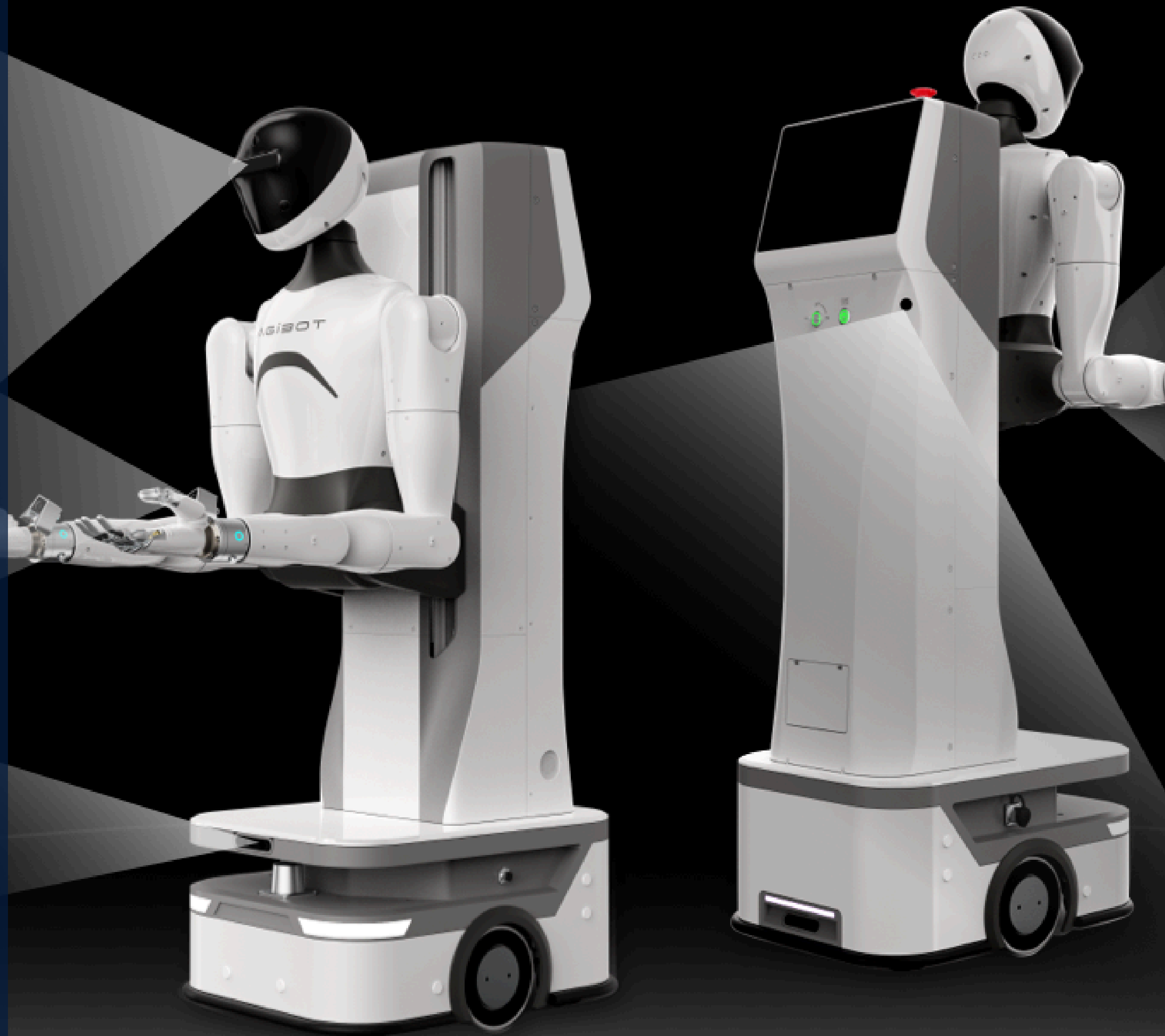


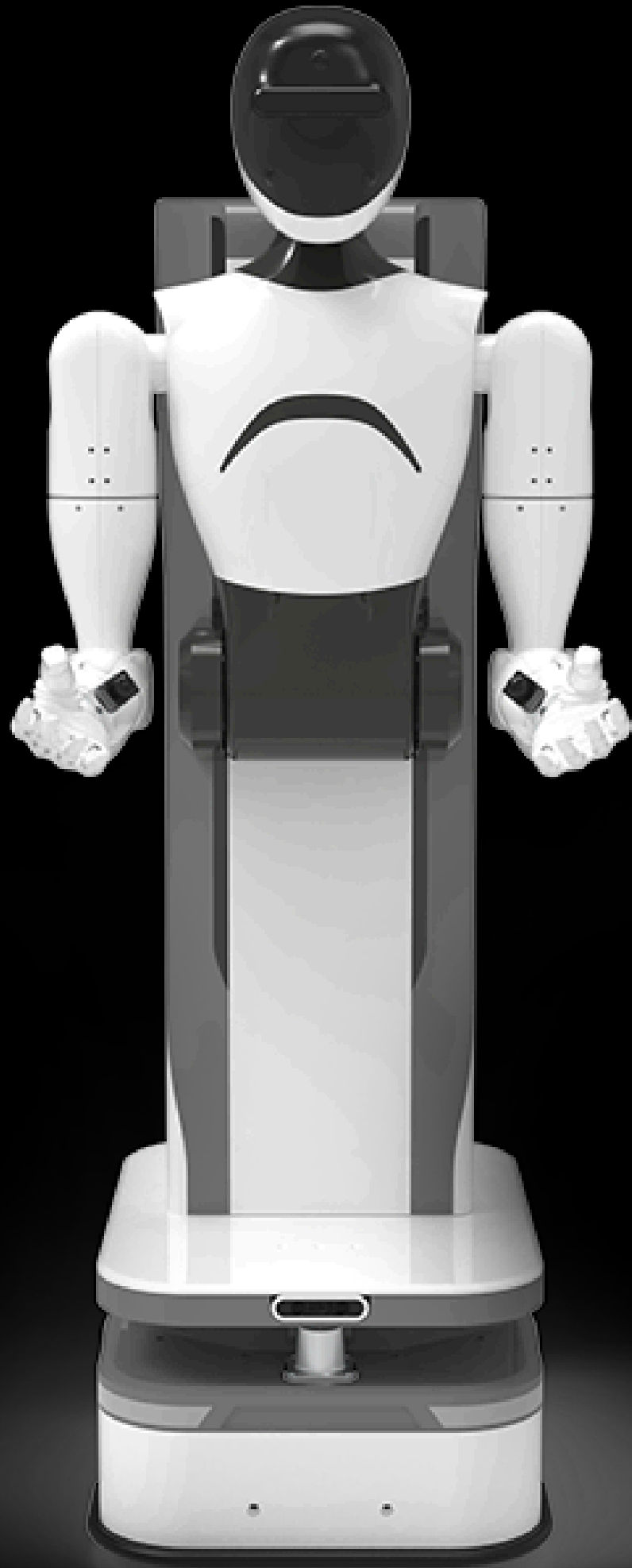
Smart Service Robots



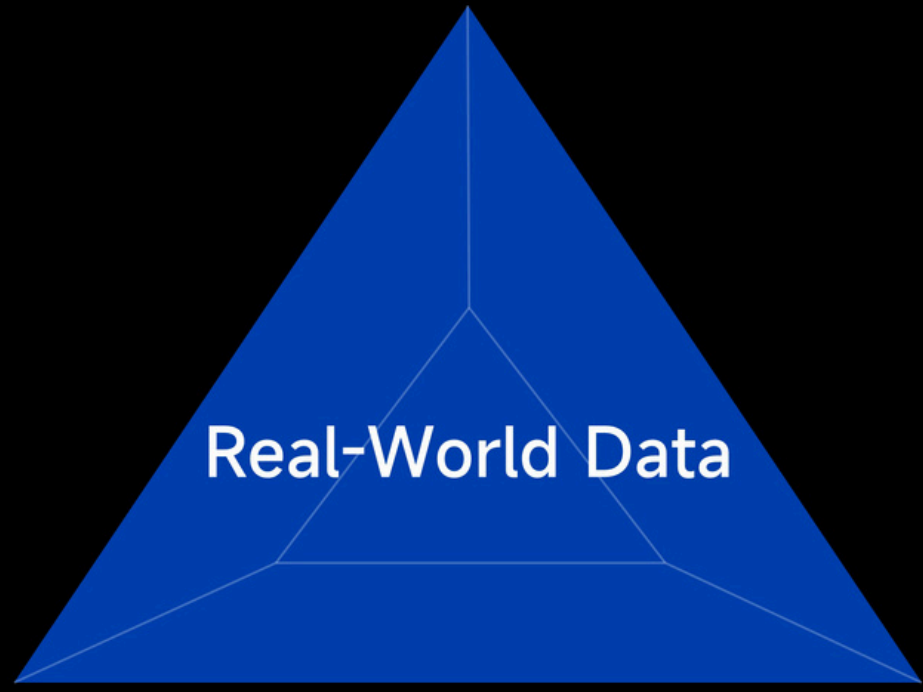
AI Vision

Real robot data is crucial for training large models, and RiA A2D provides full-stack data collection service featuring hardware—software and edge-cloud integration.





High Configuration  
Integrated Collection-Training-Inference  
Reliable and Stable



Full-Body Mapping  
Highly Integrated with Robots  
Anti-Electromagnetic Interference  
Easy to Operate, High-Precision and Real-Time



Collection and Upload  
Quality Inspection and Processing  
One-Stop Review and Annotation  
Data Collection Process Management

## Manipulation Capability

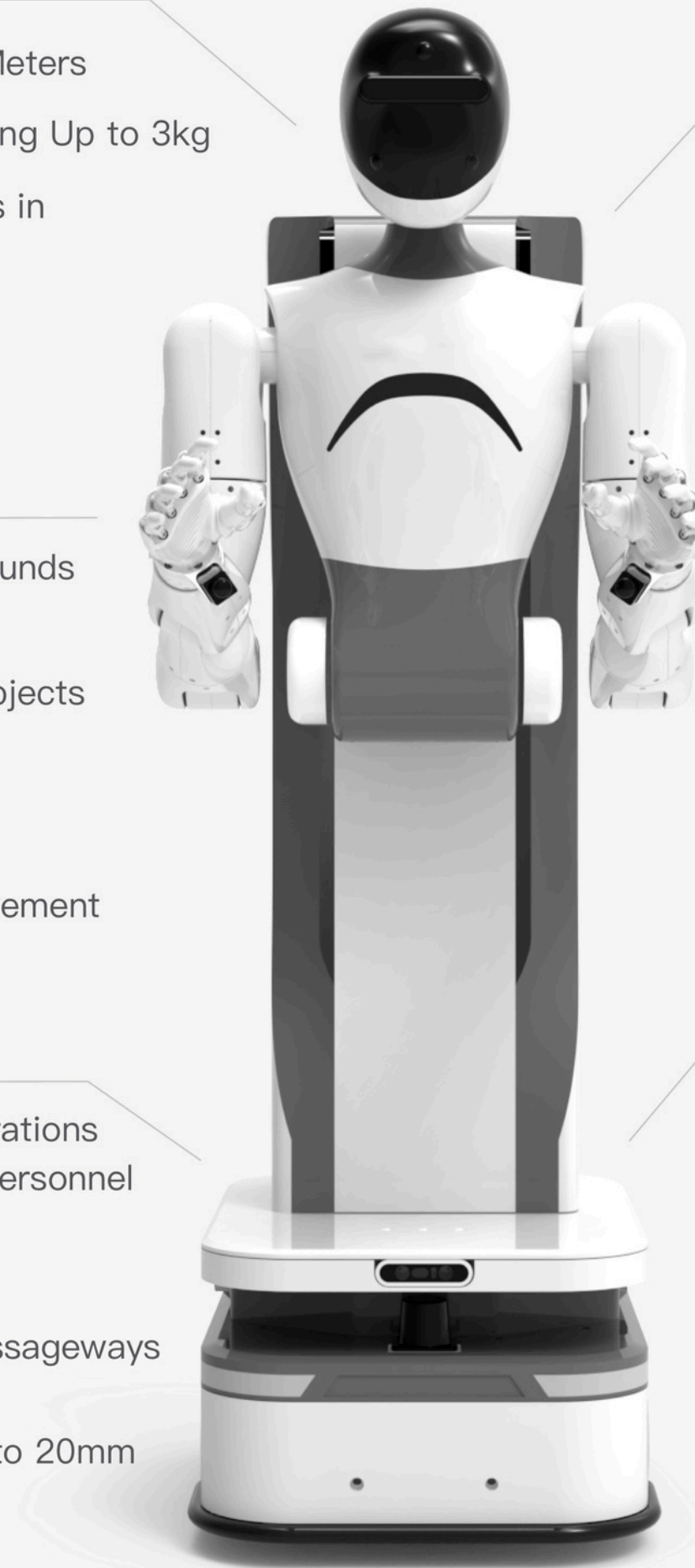
- Hands Can Reach at a Height of 2 Meters
- Single Hand Can Lift Objects Weighing Up to 3kg
- Capable of Performing Basic Actions in Factory/Home Settings

## High Safety

- Immediately Stops Operation and Sounds an Alarm When a Fault Occurs
- Avoids Colliding with Surrounding Objects During Movement
- Emergency Stop Button
- Obstacle Avoidance for Chassis Movement

## Chassis Capabilities

- Capable of Following Full-Body Operations and Movements of Motion Capture Personnel
- Supports In-Place Turning
- Able to Navigate 95% of Factory Passageways
- Obstacle-Crossing Capability of Up to 20mm



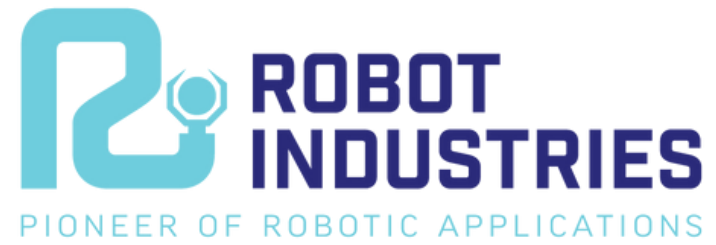
## Dedicated to Data Acquisition

- Supports VR/Motion Capture for Data Acquisition
- Asynchronous transmission to remote location after data acquisition quality inspection with less than 1 day of local data accumulation
- Capable of following the limb movements of motion capture personnel

## Stable Operation > 30,000 Hours

- Industrial-Grade Components, Extreme Environment Testing Ensures Durability and Reliability of the Robot
- Wired Connection for Communication, Stable and Reliable Data Transmission

<p>Height</p> <p><b>175cm</b></p> <p>(Support raising and lowering)</p>	<p>Weight</p> <p><b>150kg</b></p>	<p>Battery</p> <p><b>5h+</b></p>	
<p>Single Arm Span</p> <p><b>70cm</b></p>	<p>DoF</p> <p><b>33 active DoF</b></p>	<p>End Effector</p> <p><b>6 -DOF dexterous hand</b> (replaceable with a 2-finger gripper)</p>	
<p>Perception Sensors</p> <p><b>3</b> RGB-D cameras <b>5</b> fisheye cameras</p>	<p>Force Sensor</p> <p>6-axis force sensor at the end of the arm</p>	<p>Edge Computing Platform</p> <p><b>Orin AGX 64GB (275TOPS)</b></p>	



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