

LODAMASTER
ACCELERATING YOUR ABILITIES



Stability | Capability | Adaptability | Operability | Availability | Durability | Reliability

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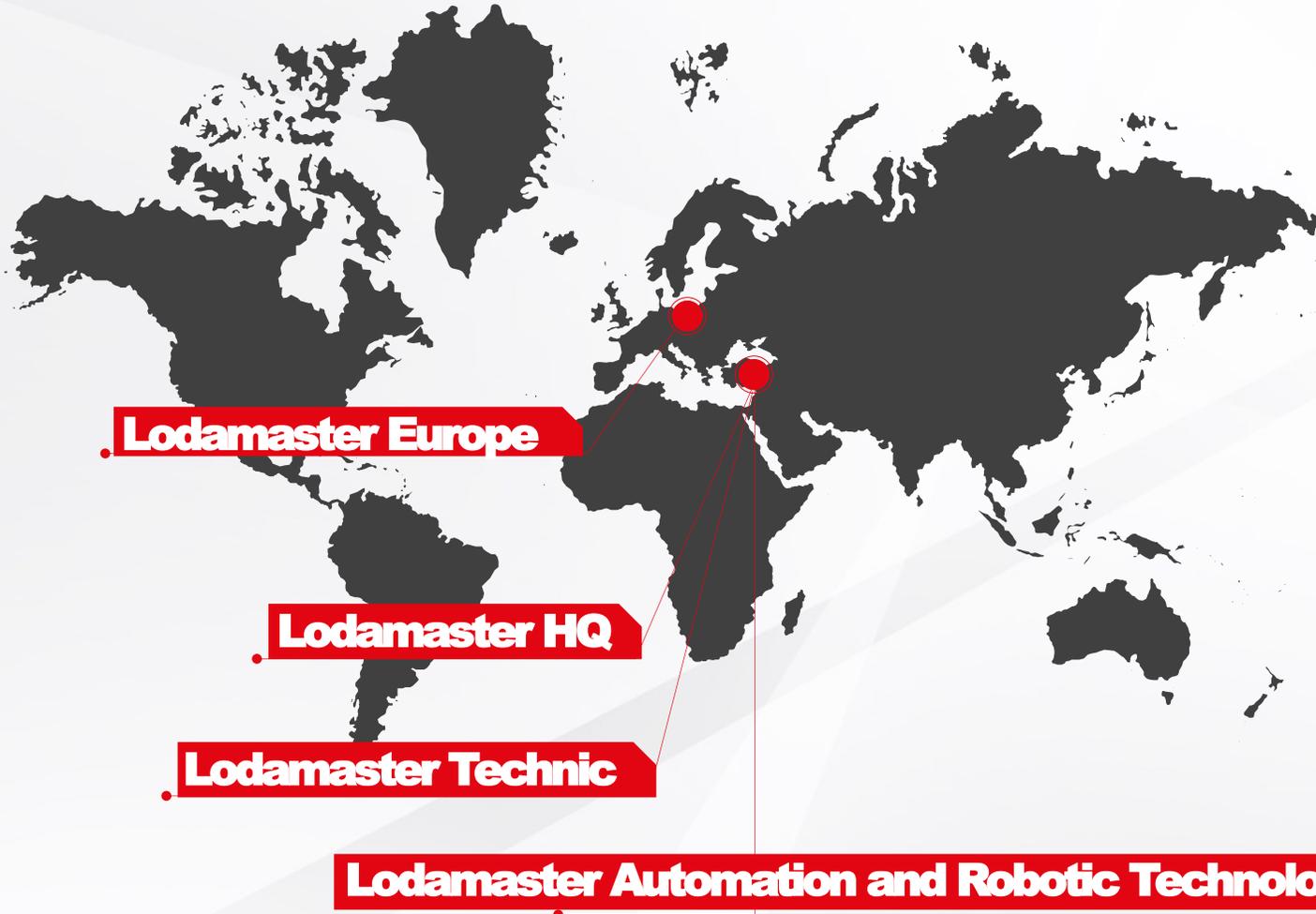
Your business partner
who understands your needs
and accelerates your
logistic
capabilities

LODAMASTER Group, established in 2011, provides intralogistics solutions globally that include conveyor automation systems, sorter systems, vehicle (un)loading solutions, order picking solutions, and other warehouse technologies from our bases in Istanbul, and Poland.

Lodamaster can offer turn-key solutions in many countries with its teams in Turkey, Poland, and with our partners all over the world.

By using our expertise in warehouse automation and efficiency projects, and loading-unloading operations, we are providing firstly a consultancy service with analyzing your operations on-site and we are proposing the most suitable technologies for your operations.

Lodamaster Group | About Us



Lodamaster Headquarter (Istanbul / Turkey) is dealing with sales and marketing, solution design, project management, and after-sales services activities for the region of Turkey, the Middle East, and Russia;

Lodamaster Technic (Kocaeli / Turkey) is the manufacturing company of the group dealing with the design of components in our projects, producing stand-alone machines like telescopic conveyors, pallet magazines, pallet elevators, pallet inverters, and all kinds of conveyors for our projects and also for the supply to other system integrators all over the world.

Lodamaster Automation and Robotic Technologies (Kocaeli / Turkey) is the software company of the group, developing our software packages SORTware, SORTcontrol, CONware, LIGHTware, etc. for the data processing and also PLC-based control of our projects.

Lodamaster Europe (Warsaw / Poland) is dealing with sales and marketing, project management, and after-sales services activities for the region of Europe and the UK.

Lodamaster Group | History

2011

- Foundation
- Partnership with Joloda

2013

- Production of the First Sorter System
- Establishment of Argevi software company

2016

- First export of telescopic conveyor to Europe
- Biggest sorter & conveyor project in e-commerce sector in Turkey
- First turn-key project abroad

2018

- Moving to new HQ
- Opening new production facility in Istanbul
- Commissioning Trendyol (Alibaba) and Amazon in Turkey

2020

- Opening of Lodamaster Europe
- Commissioning of Inpost projects and Magyar Post Projects

2022

- Commissioning Trendyol (Alibaba) – Biggest E-commerce and Sorting Center in Turkey and
- Commissioning of Amazon in Turkey

Lodamaster Group | Projects



200+ Projects

Lodamaster company has commissioned more than 200 projects since its establishment and has a growth rate of 50% or more every year.



15+ Countries

Lodamaster has implemented projects in more than 15 countries, adhering to one of its main goals, "becoming an international player".

Lodamaster Group | Mission & Vision

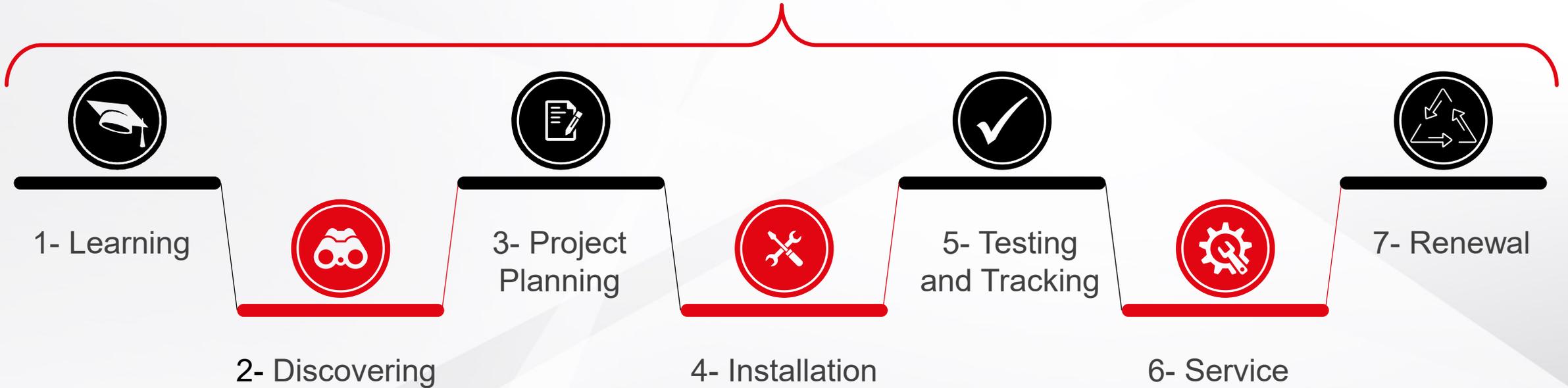


Lodamaster works for discovering and accelerating the abilities of companies in intralogistics and material handling processes.



To become one of the top 20 brands that carry out most of the material handling and intralogistics projects with the ability to produce customized solutions until 2028.

Lodamaster Group | Lodamaster's Business Approach in 7 Steps



Lodamaster Group | Solutions



Technology Independence

Lodamaster is a technology-independent integrator. It has many technology partners all over the world and selects the right technology that fits the solution, not fit the solution around any technology.

TELESCOPIC CONVEYOR

ALL IN-HOUSE SOFTWARE

SORTER SYSTEMS

ROBOTIC SORTING & ORDER CONSOLIDATION

CONVEYOR SYSTEMS

DWS SYSTEMS

PALLET AUTOMATION

VISUAL GUIDED ROBOTS

AUTOMATED PACKAGING

AUTOMATED STORAGE

PICK (PUT) TO LIGHT

AGVS AND AMRS

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[Stability](#) | [Capability](#) | [Adaptability](#) | [Operability](#) | [Availability](#) | [Durability](#) | [Reliability](#)

Lodamaster Group | Industrial Smart Delivery Robot

Automatic
Delivery

Multi-Robot
Scheduling

Automatic
Charging

IoT
Compatibility

Deployment
within minutes



New AMR

Traditional Industrial Robots

Zero-cost and remote deployment



Dynamic routing and active obstacle avoidance



Strong environmental adaptability
Flexible working modes and convenient workflow adjustment



Autonomous lift taking and passing electric gate



highly cost effective



VS



Lay tracks or signs, complex deployment



Fixed route



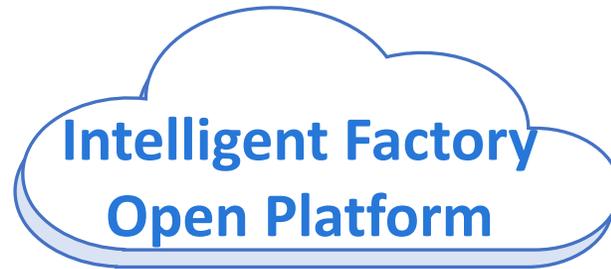
Poor environmental adaptability and movement ability



Unable to contact and pass through IoT equipment



High price



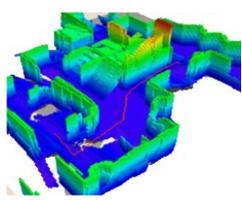
- Scene-based business system
- Scheduling management system
- Planning and control algorithm system

Delivery Robot



- Configurable sensor combination
- Extensible chassis structure
- Calculation module
- Built-in communication and underlying systems

Indoor Autonomous Driving



- Sensory fusion system
- Motion control system
- Path planning system
- Obstacle avoidance system

Cloud Scheduling System



- Cluster scheduling
- Task management
- Remote monitoring and alert
- IOT Equipment linkage control

- Outdoor reinforcement
 - Sensor enhancement
 - RTK positioning
 - Outdoor movement structure

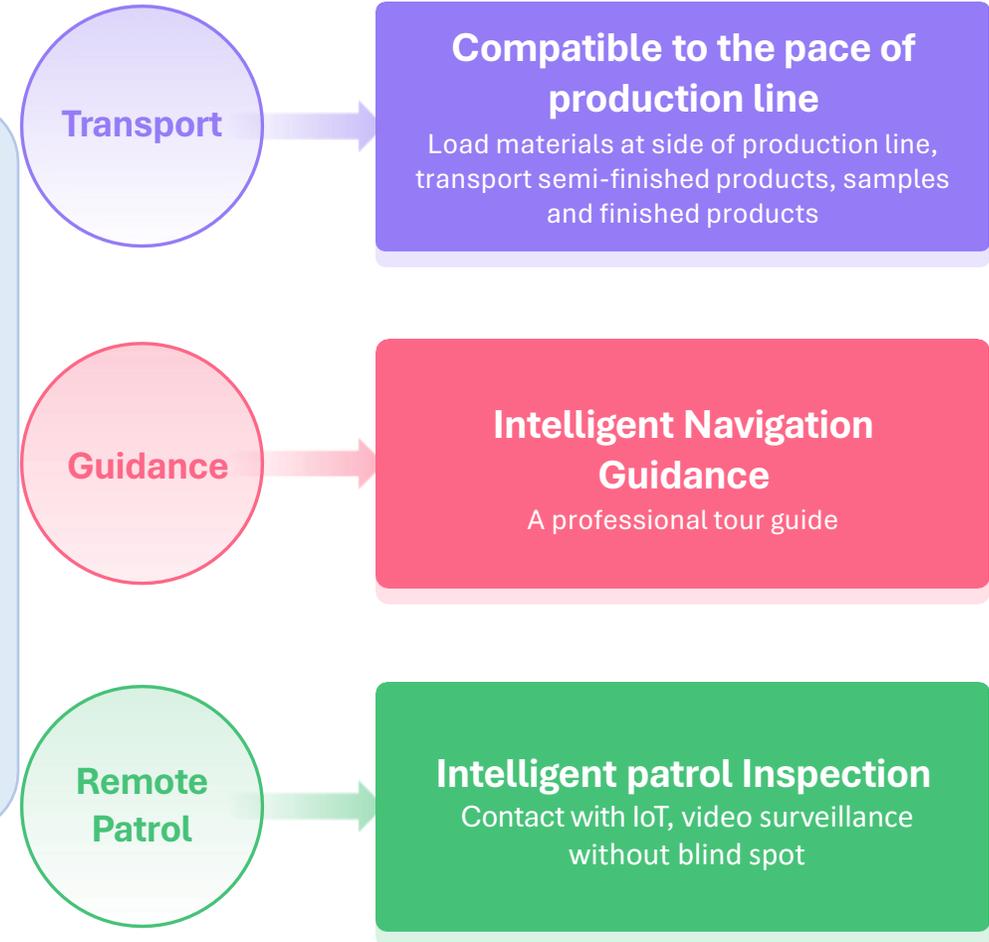
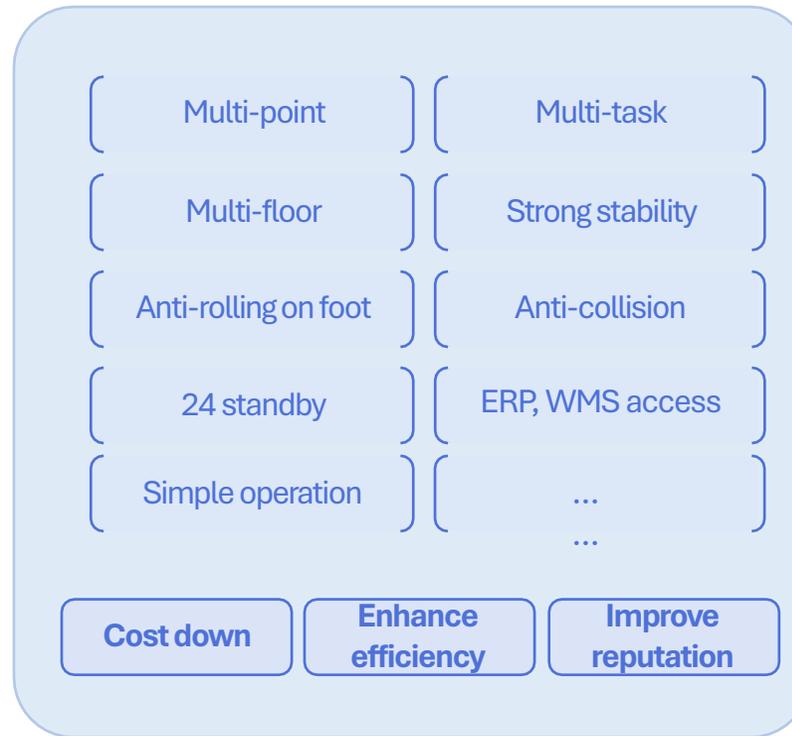
- Outdoor reinforcement
 - IVICS
 - Outdoor SLAM

Applications

- precision manufacturing
- food and beverage
- 3C manufacturing
- pharmaceutical manufacturing
- Textile and garment
- Testing laboratories

- Stock
- Parts
- Samples
- semi-finished products
- Finished products

- Mass production
- Lightweight
- High frequency
- Multiple types
- Small size
- Multiple production lines





Multi-point
delivery



Multi-robot
collaboration



Max 1,5m/s



Multi-cabin
combination



Rapid deployment



7*24
operation



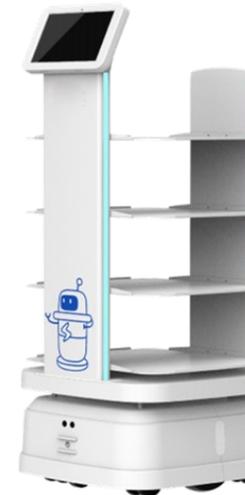
80 - 600 KG
Payload



Lift - Low



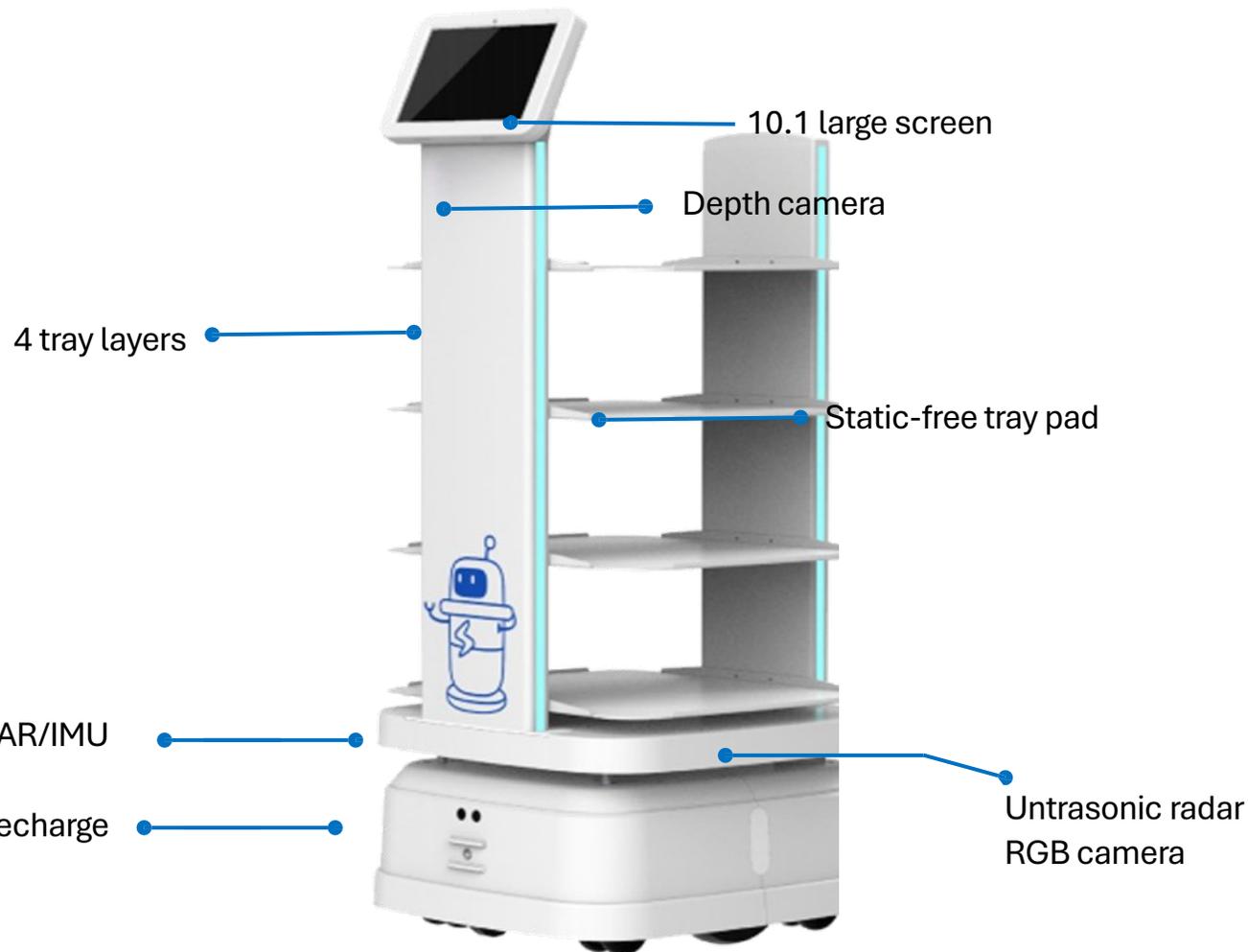
10+
Working Hours



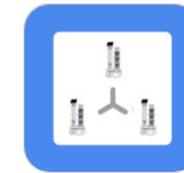
Applicable
scenarios

Lab Enterprise Factory Logistics Airport Hotel

Lightweight and Agile



Multi-point
delivery



Multi-robot
collaboration



Rapid deployment



50*57*124 (cm)
Dimension



Max 1,5m/s



≤ 8°
Slope



80 KG
Payload

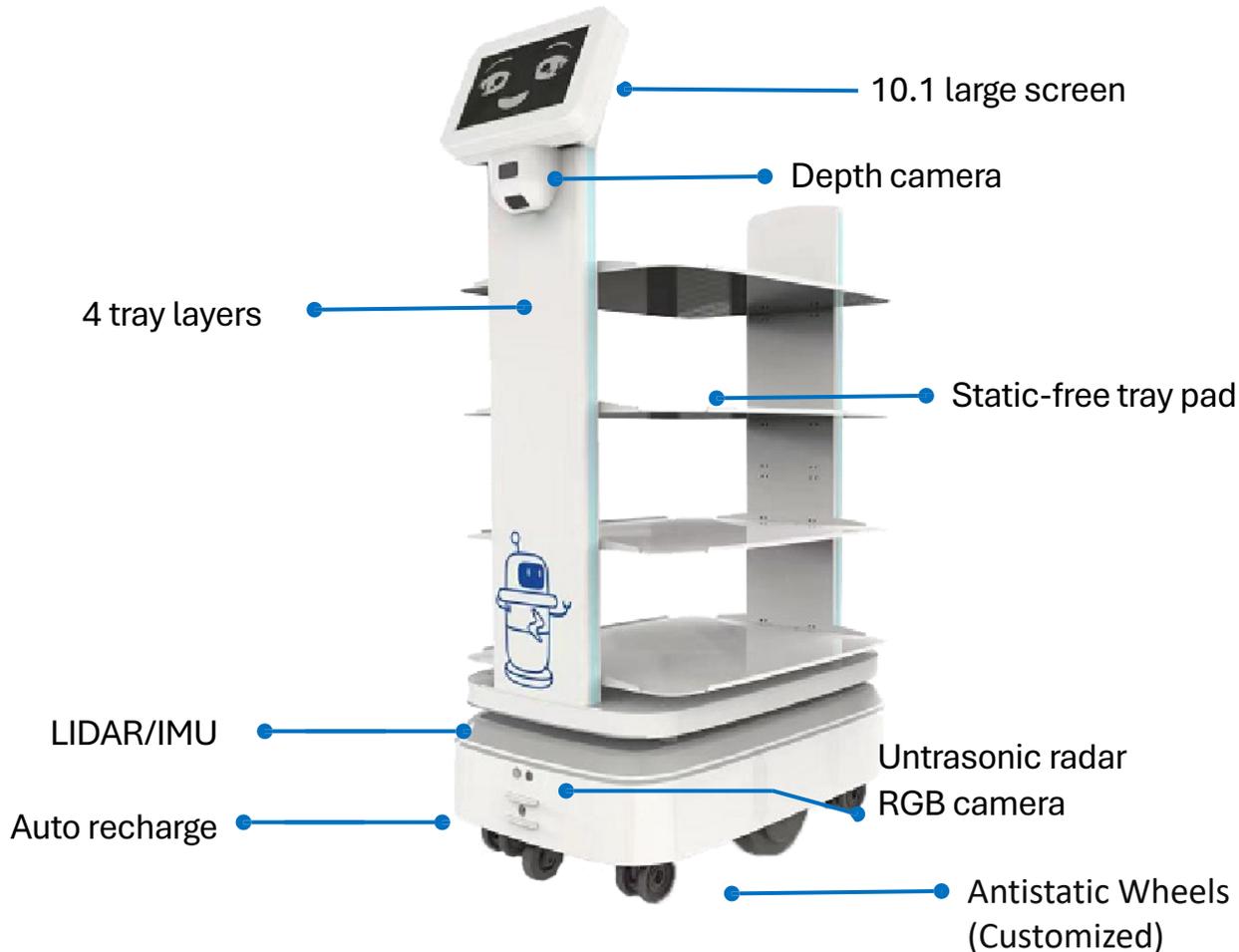


≤ 10
Working Hours

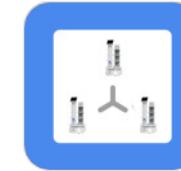


≤ 4
Charging Time

200KG Load Capacity Flexible Customizable Cabin



Multi-point delivery



Multi-robot collaboration



Rapid deployment



50*71*124 (cm)
Dimension



Max 1,5m/s



≤ 8°
Slope



200 KG
Payload

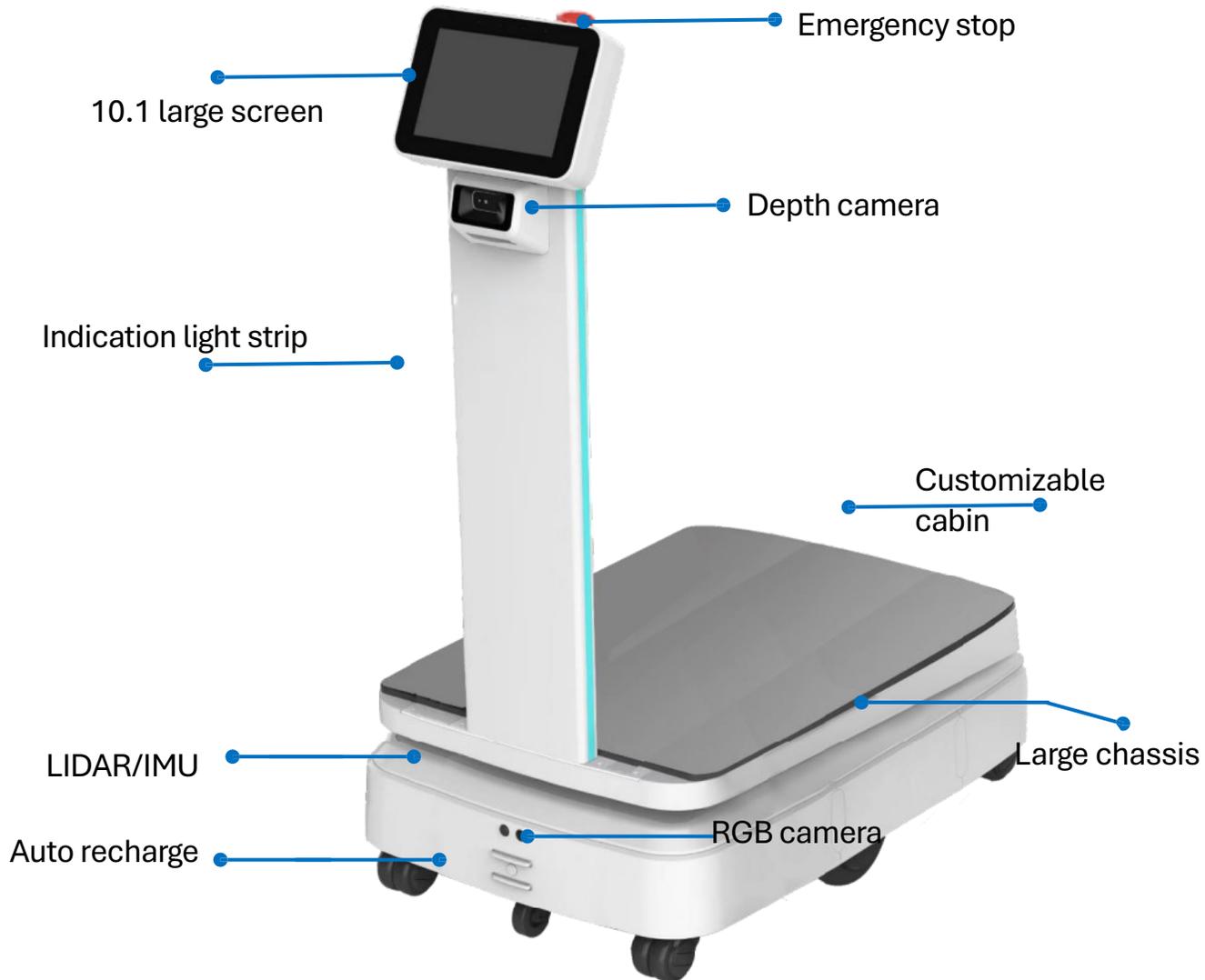


≤ 12
Working Hours

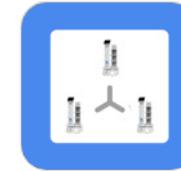


≤ 5
Charging Time

Carry Larger Volume with Oversized Version



Multi-point delivery



Multi-robot collaboration



Rapid deployment



60*90*124 (cm)
Dimension



Max 1,5m/s



≤ 5°
Slope



200 KG
Payload



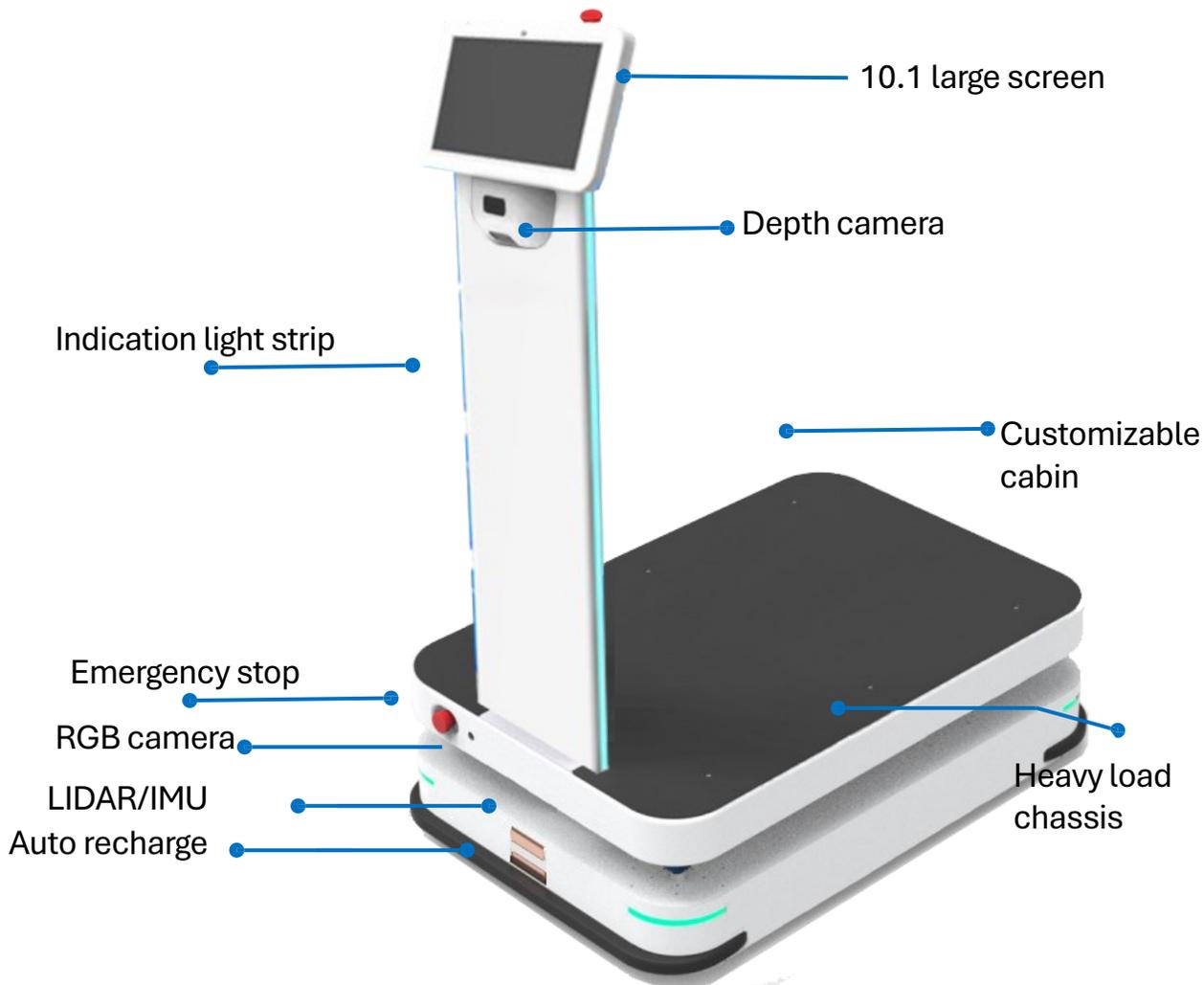
≤ 10
Working Hours



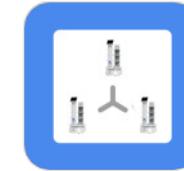
≤ 5
Charging Time

Heavy-Duty Version

Balancing heavy load and flexibility



Multi-point
delivery



Multi-robot
collaboration



Rapid
deployment



95*65*124 (cm))
Dimension



Max 1,5m/s



≤ 5°
Slope



300 KG
Payload

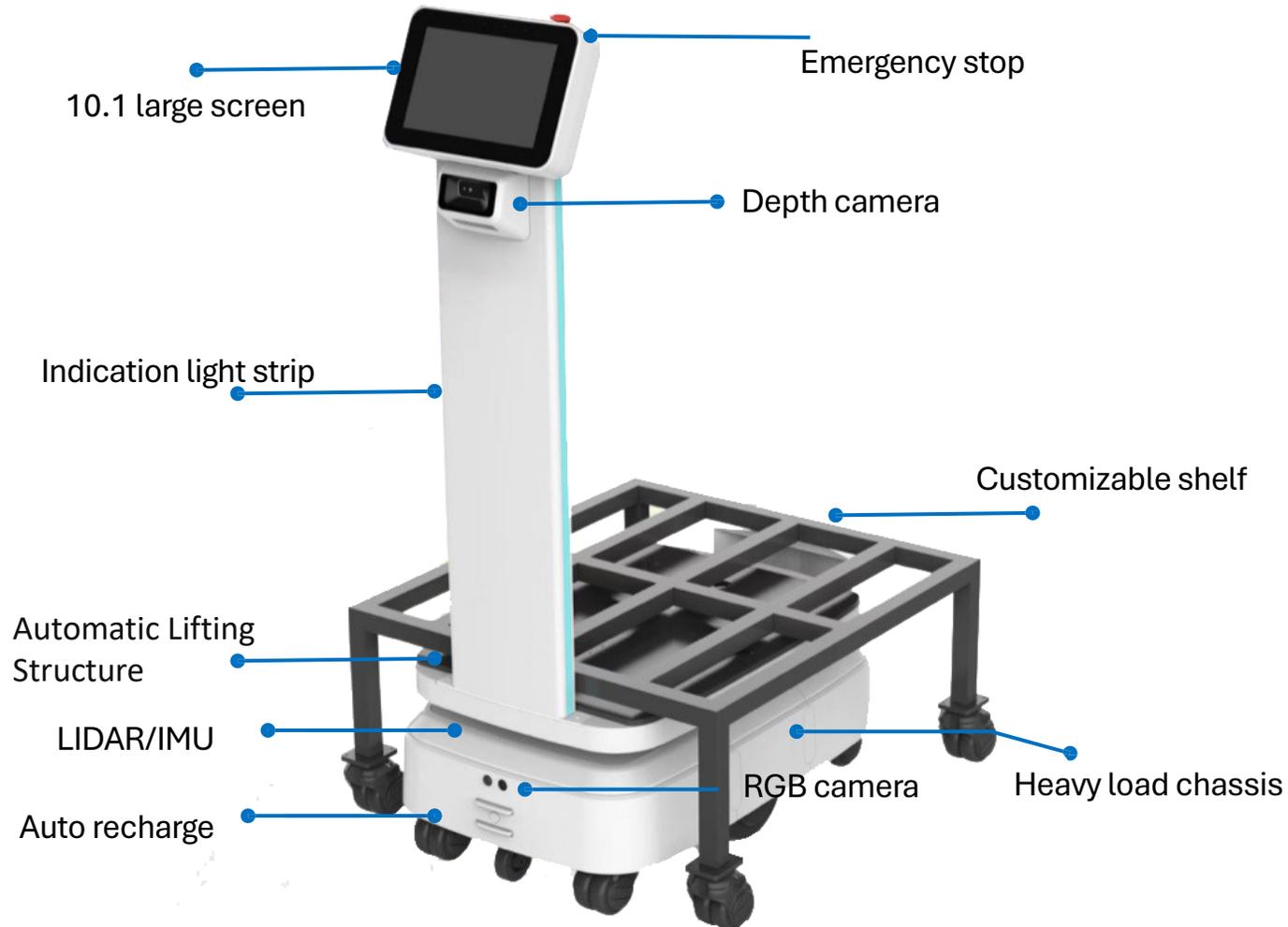


≤ 8
Working Hours

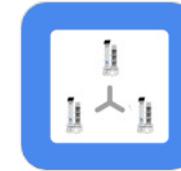


≤ 5
Charging Time

Automatic Lifting Flexibly Adapting to Your Custom Shelves



Lift / Lower



Multi-robot
collaboration



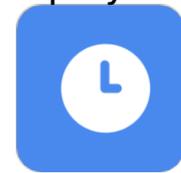
Rapid
deployment



50*71*124 cm
Dimension



Max 1,5m/s



≤ 8°
Slope



150 KG
Payload

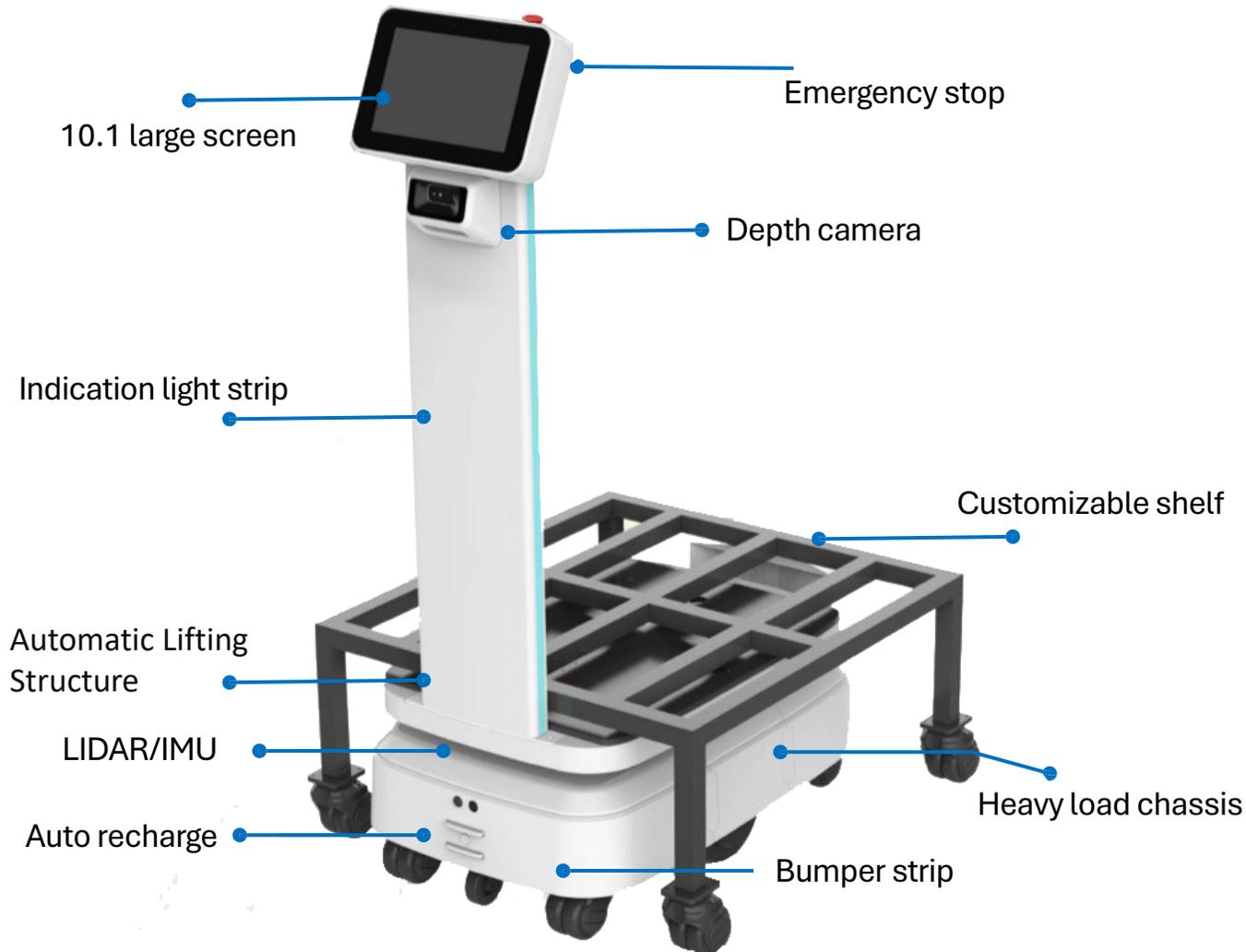


≤ 10
Working Hours

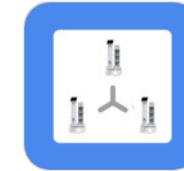


≤ 5
Charging Time

600KG Heavy-Duty Lifting Flexibility in Deployment



Lift / Lower



Multi-robot
collaboration



Rapid
deployment



65*95*124 cm
Dimension



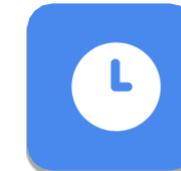
Max 1,2m/s



≤ 5°
Slope



600 KG
Payload

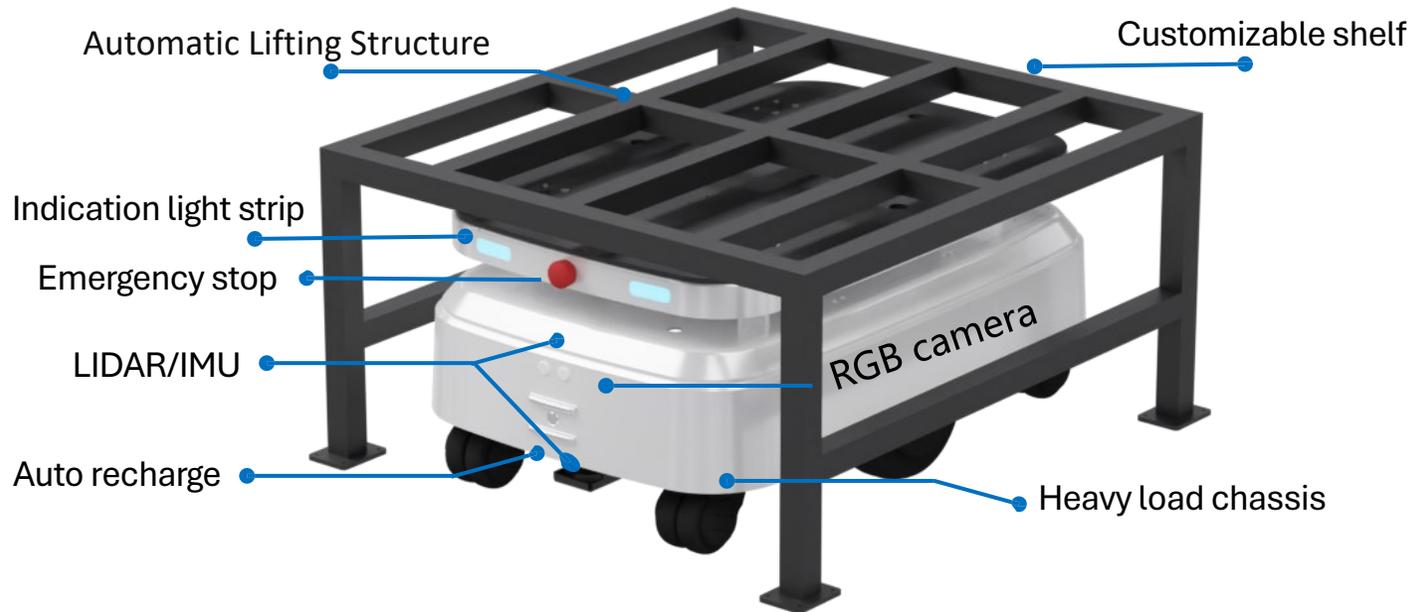


≤ 10
Working Hours

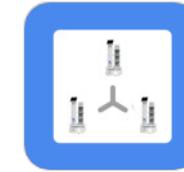


≤ 4
Charging Time

Sub Lift Flexible and Support Fleet Dispatch



Lift / Lower



Multi-robot
collaboration



Rapid
deployment



50*71*31 cm
Dimension



Max 1,5m/s



≤ 8°
Slope



150 KG
Payload



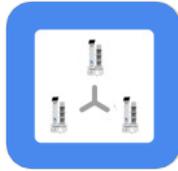
≤ 10
Working Hours



≤ 5
Charging Time



Multi-point
delivery



Multi-robot
collaboration



Set time and route
Cruise delivery



Multi-cabin
combination



Rapid
deployment



7*24



Password lock



Delivery
notification



Elevator / Gate
Intelligence



Applicable
scenarios

Office building Enterprise Factory



Multi-point
delivery



Multi-robot
collaboration



Rapid deployment



50*57*124 (cm)
Dimension



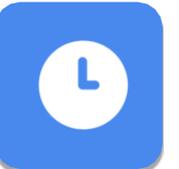
Max 1,5m/s



$\leq 8^\circ$
Slope



40 KG
Payload



≤ 10
Working Hours



≤ 4
Charging Time



Applicable
scenarios

Office building Enterprise Factory Restaurants Hotels



16L
Tank Volume



Air Disinfection



Rapid deployment



54*49*130 (cm)
Dimension



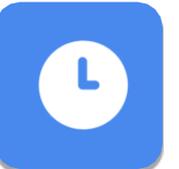
1000m² / 15 min



≤ 9°
Slope



%99
Sterilization



≤ 6
Working Hours



≤ 3
Charging Time



Applicable
scenarios

Office building Enterprise Factory Hospitals Hotels



13L
Tank Volume



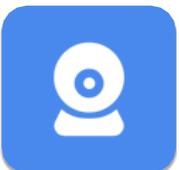
Air Disinfection



Rapid deployment



42*42*77 (cm)
Dimension



1000m² / 15 min



≤ 9°
Slope



%99
Sterilization



≤ 6
Working Hours



≤ 3
Charging Time



Applicable
scenarios

Office building

Enterprise

Factory

Hospitals

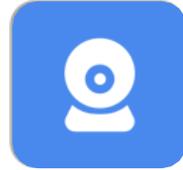
Hotels



Low Energy
Consumption



Multi-robot
collaboration



Max 3m/s



Customizable
Carrier



Rapid deployment



7*24
operation



5 - 50 KG
Payload



5m
Charge



4+
Working Hours



Applicable
scenarios

Factory

Warehouse



Low Energy
Consumption



Multi-robot
collaboration



Max 3m/s



Customizable
Carrier



Rapid deployment



7*24
operation



5 - 50 KG
Payload



5m
Charge



4+
Working Hours

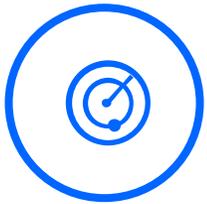
Applicable
scenarios

Factory

Warehouse



Intelligent Perception, Decision-Making and Control



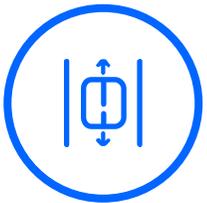
Obstacle
Avoidance



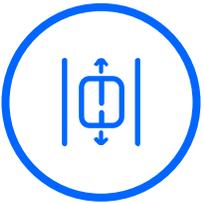
Automatic
Recharging



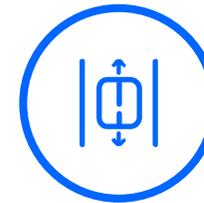
Intelligent
Map Creation



Elevator



Gate



Automatic
Door



Product Advantage: Centimeter-Level Autonomous Positioning, Navigation, and Obstacle Avoidance

The self-developed AX-Mind algorithm enables easy positioning, navigation, and obstacle avoidance in complex environments

- l Based on AI deep learning algorithm for multi-sensor perception fusion
- l Global + local multi-level navigation route planning
- l Maximizes the reduction of blind spots
- l Stable operation of multiple machines in complex indoor environments

Product Advantage – Smooth Transportation, noiseless

Accurate Speed Control Fast and stable movement

- | Precise speed control, smooth starting and braking
- | Autonomous suspension damping solution
- | Thick carpet, wooden floor, marble joint, upper and lower slopes can be passed



Carpet



Cement



Floor



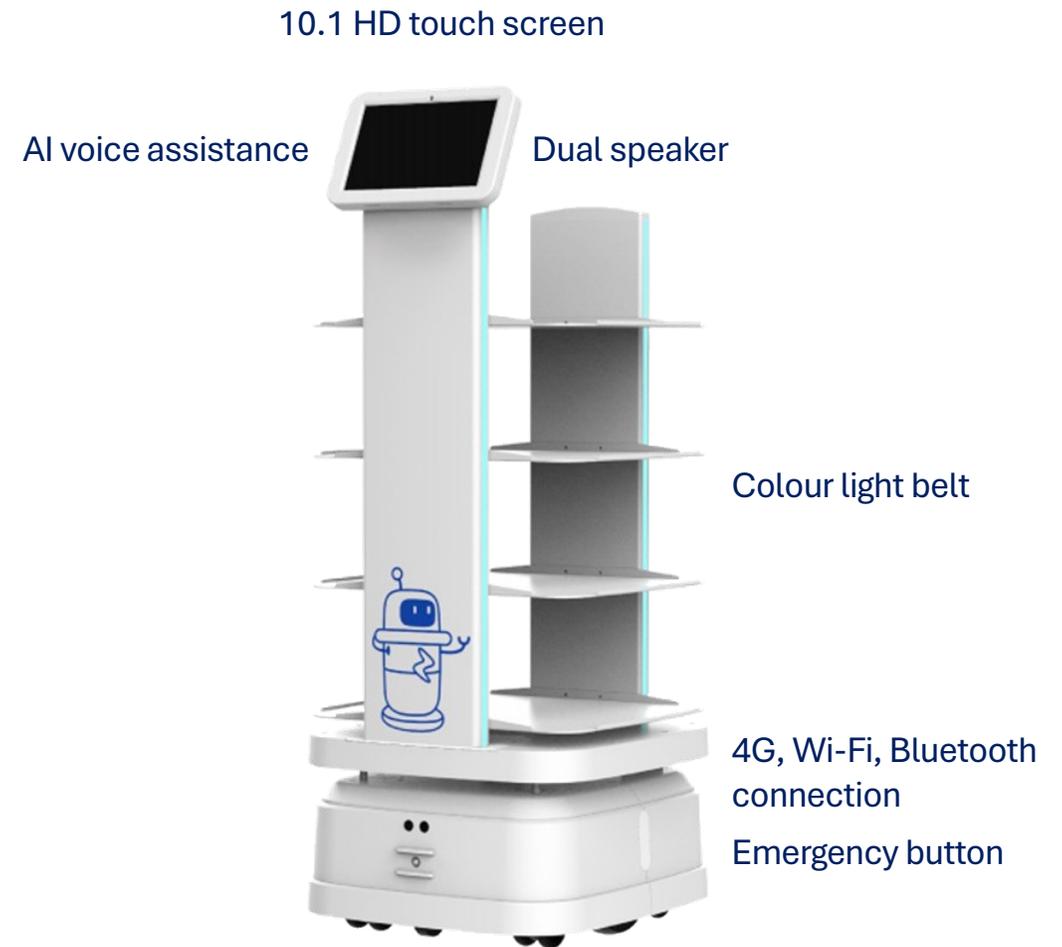
Ceramic

Lodamaster Group | Advantages

Product Advantage – Smooth and Convenient Man-Machine Interaction

Multiple Interaction Modes Simple Operation

- l Multimodal interactions of touch screen interaction, voice interaction, etc., user-friendly experience
- l 10.1 inch large screen, HD image quality display
- l 10+ kinds of lighting reminders
- l AI voice assistance, smart reminder
- l Compare to traditional AGV, it is operable simultaneously at robot terminal or by remote control



Lodamaster Group | Advantages

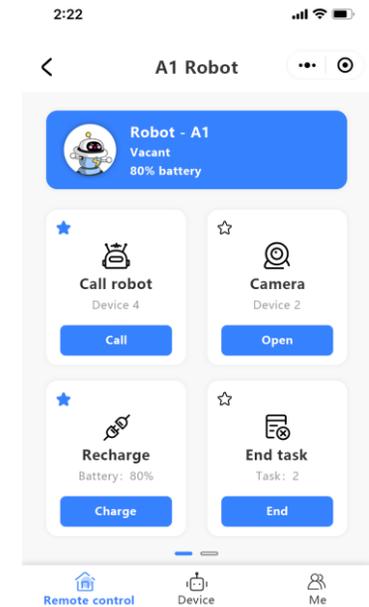
Product Advantage – Hardware + APP + Intelligent Platform + Monitoring Screen

Terminal + management platform + cloud integration solution

- Operable on robot terminal, phone, PAD, PC, etc.
- Real-time remote monitoring, scheduling and task dispatching on on cloud
- Standardize management via big data analysis, trackable work process
- Remote task dispatch, unattended working, contactless delivery
- Open API: accessible to factory business systems (ERP, WMS)



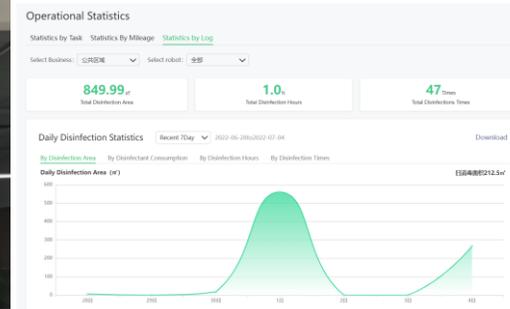
Robot



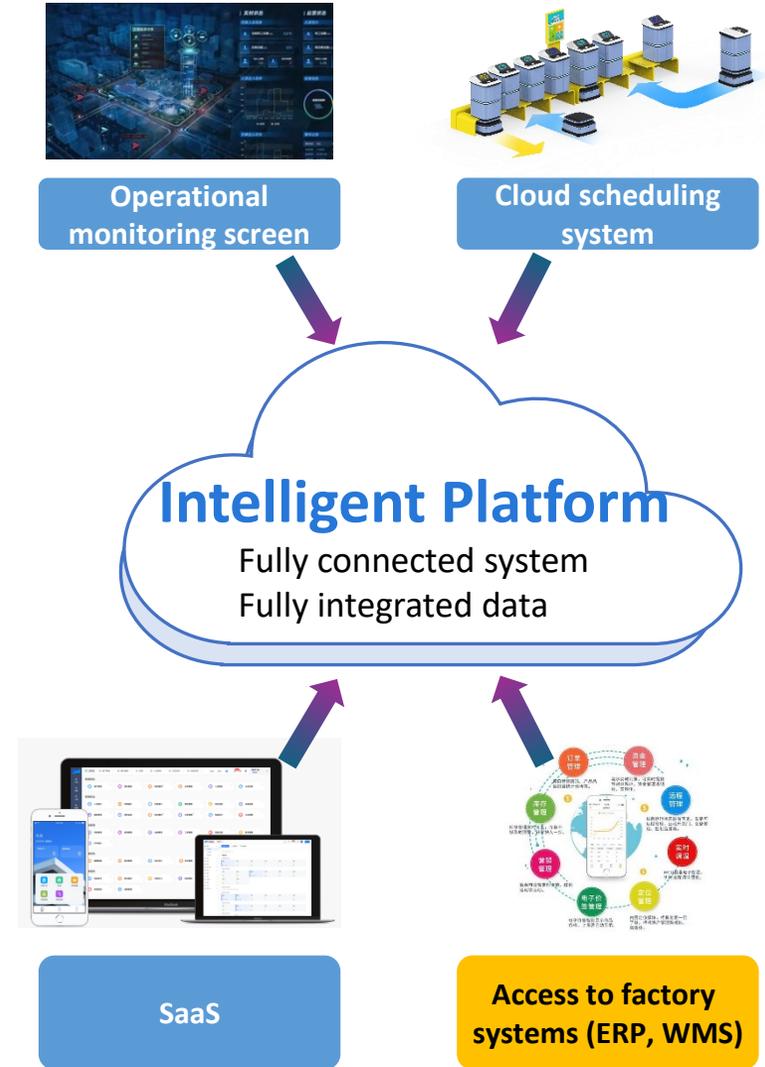
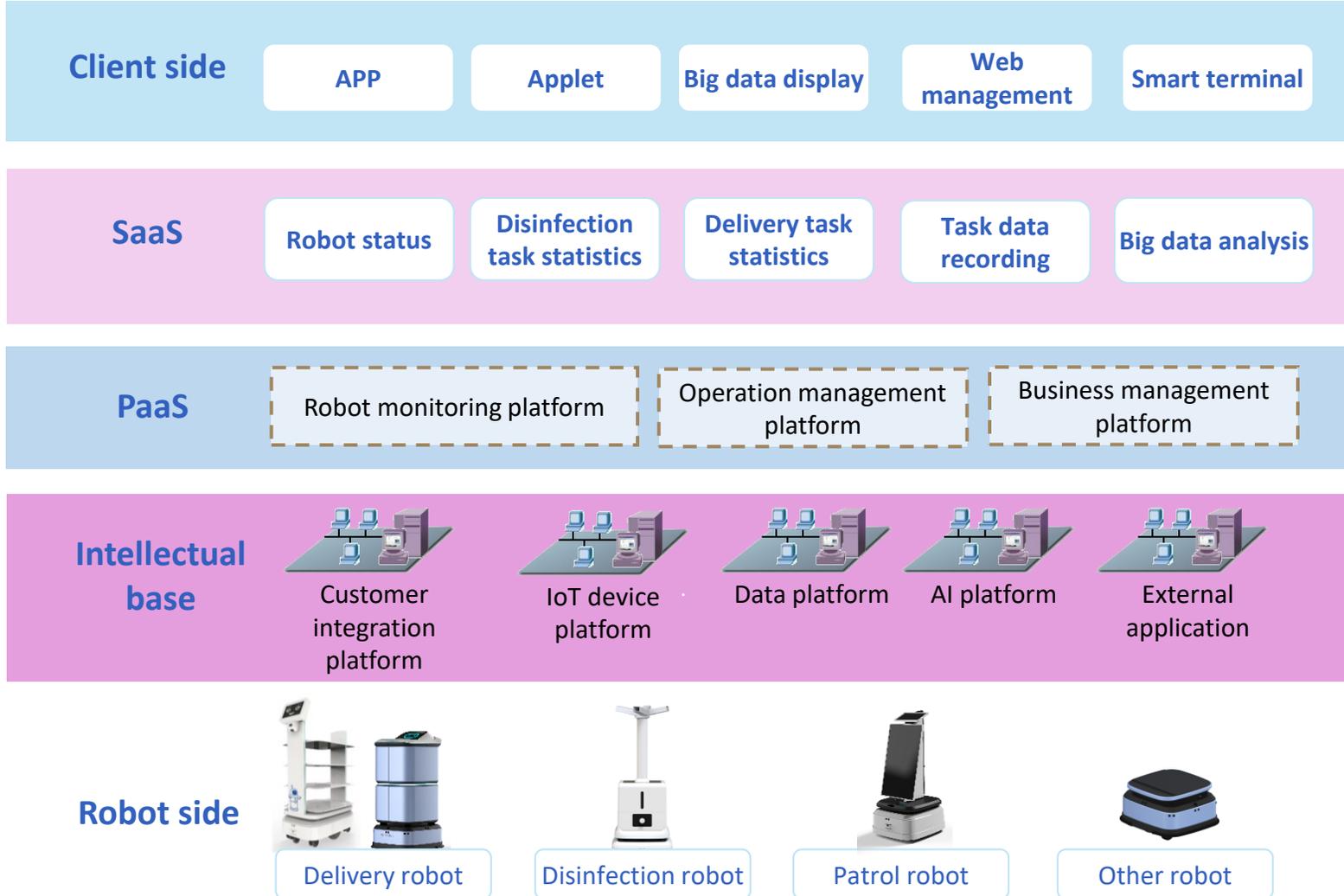
Phone



Cloud



Data-driven platform for factory goods circulation



Lodamaster Group | References

trendyol.com

amazon



arvato
BERTELSMANN

AYDINLI

ekol | LOGISTICS 4.0



LA POSTE



DeFacto



CEVA
LOGISTICS



LC Waikiki

B/S/H/

hepsiburada



COLIN'S

LACOSTE

Sumitomo



Unilever

TEKNO SA



mavi

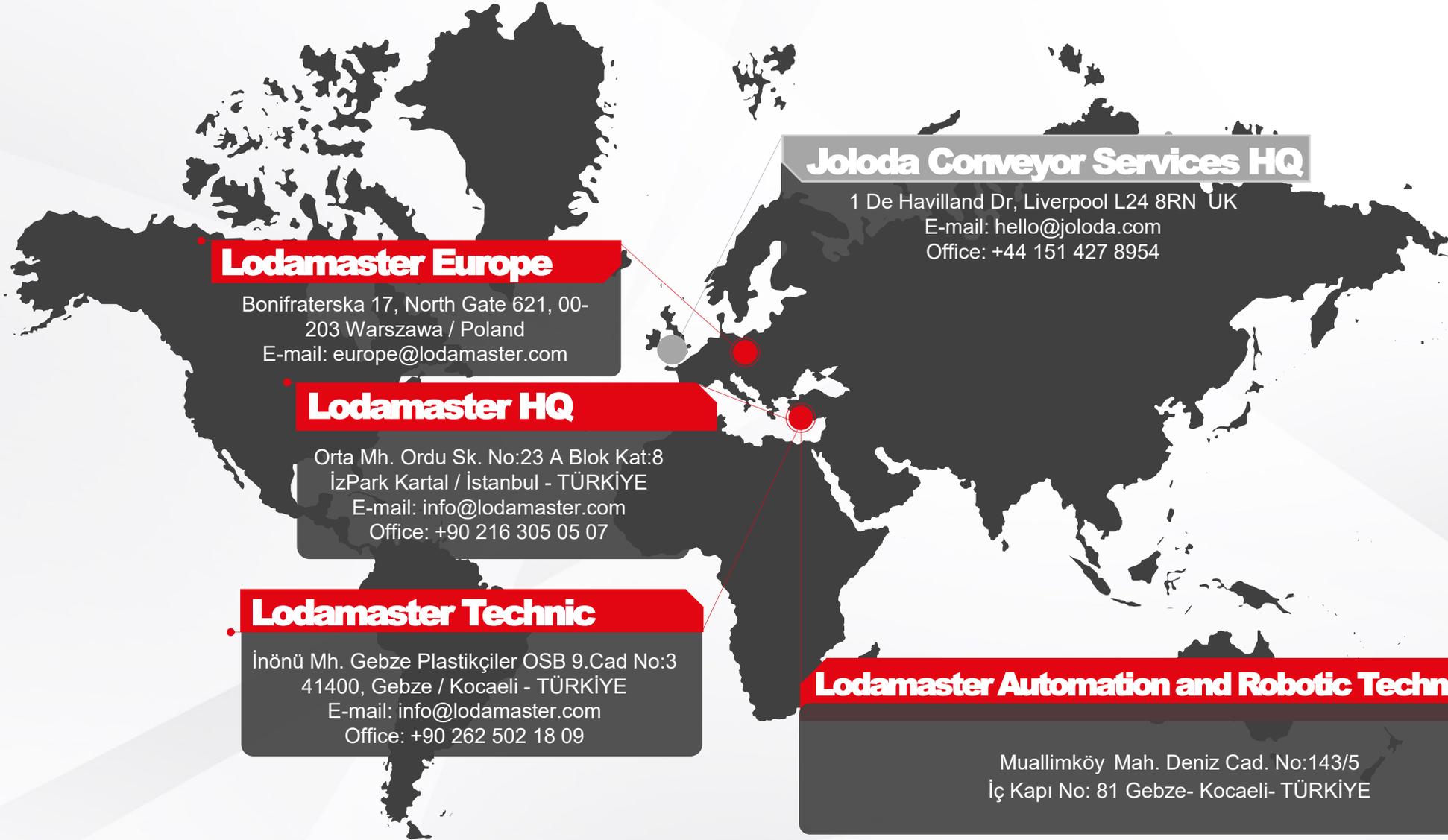
DB SCHENKER



KUEHNE+NAGEL

Continental

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ACCELERATING YOUR ABILITIES