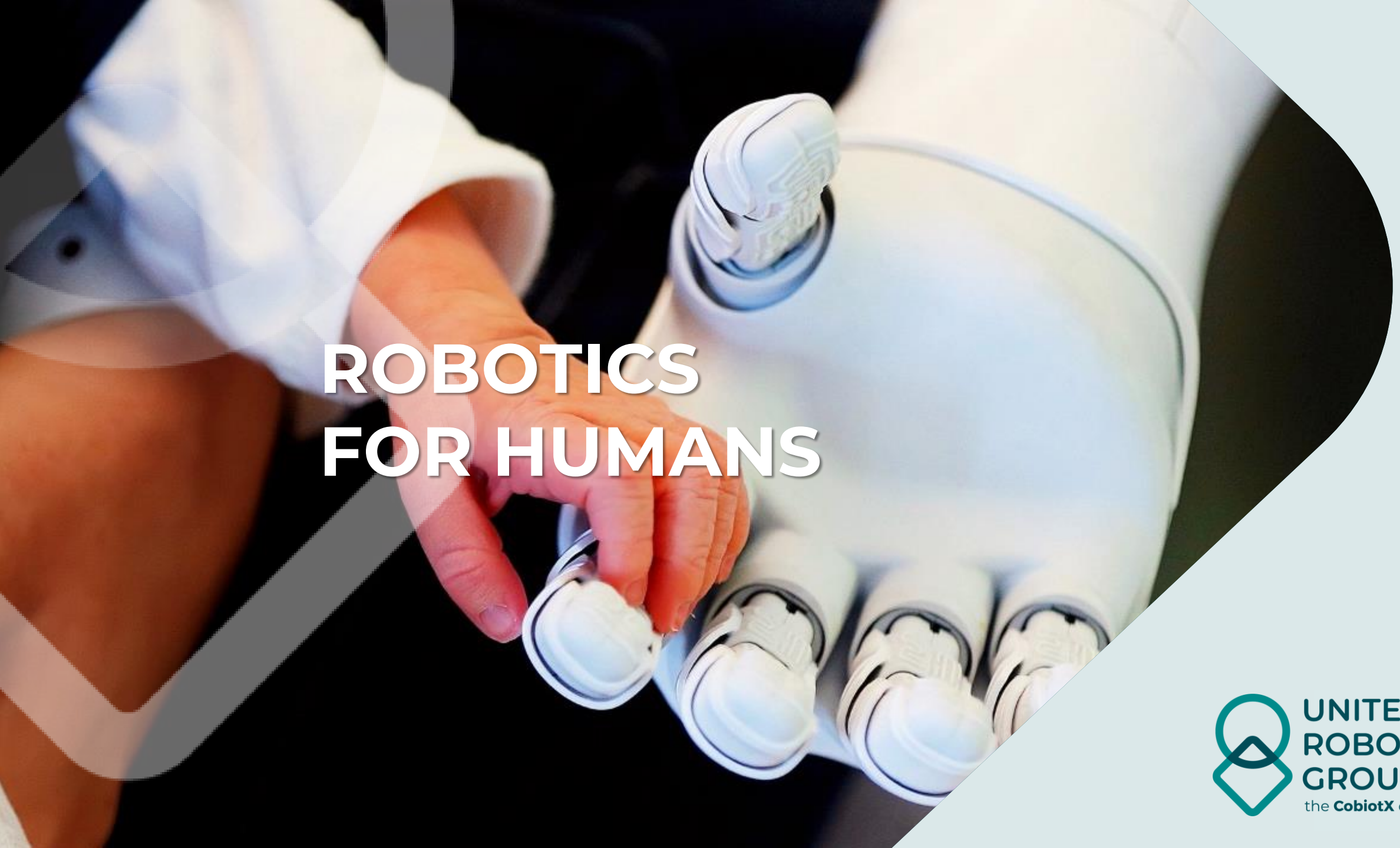
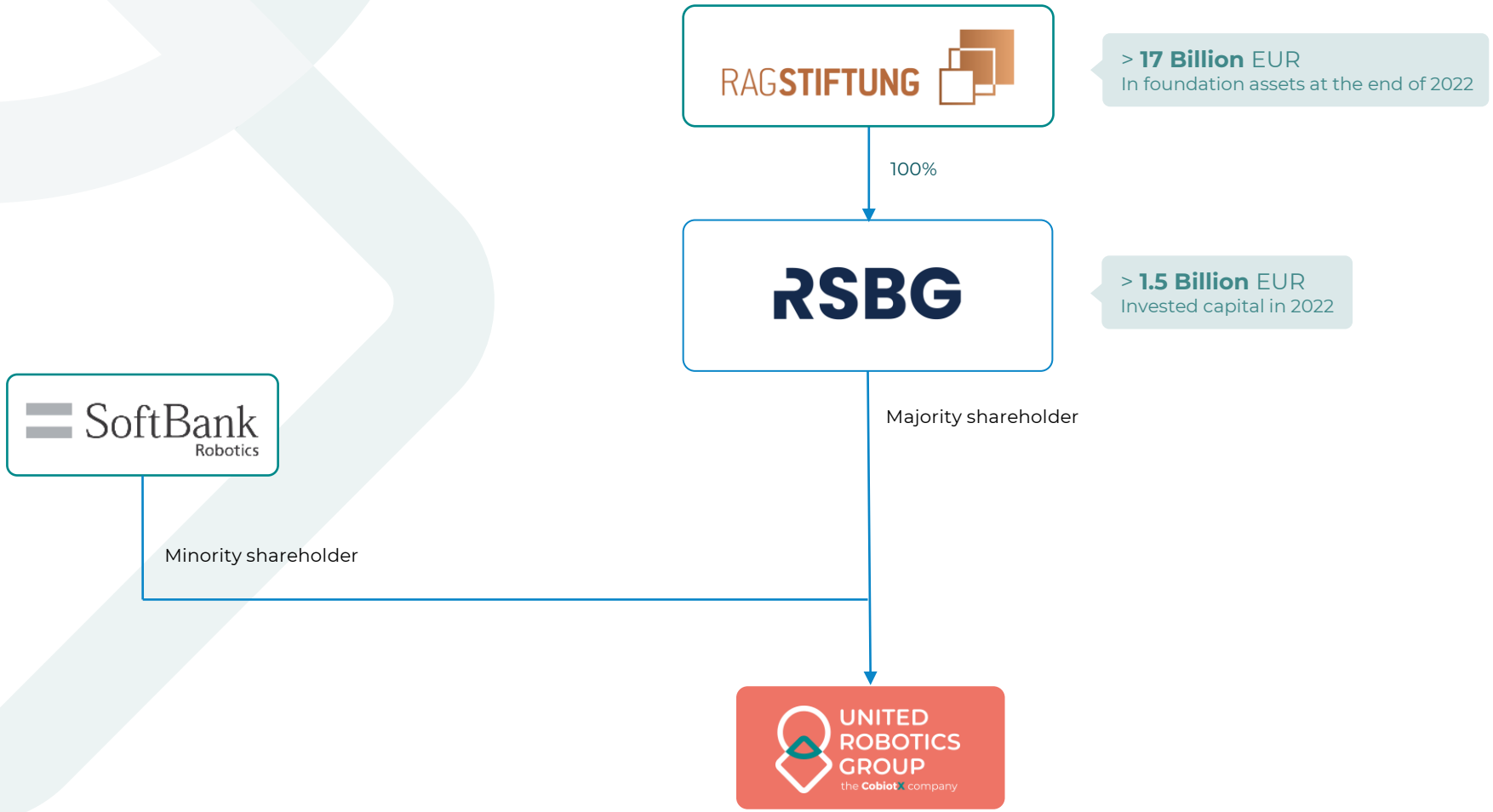


ROBOTICS FOR HUMANS

UNITED ROBOTICS GROUP
the CobiotX company

WE COME FROM A RECOGNIZED & VISIONARY FUND: RAG STIFTUNG, AND WE ARE PART OF RSBG SE



OUR HISTORY IS CLOSELY LINKED TO HAHN AUTOMATION GROUP WITH OUR JOINT FOUNDER: THOMAS HÄHN

Parent company founded in 2020

1992
Invention of LIFTMASTER

2000
Internationalization
Founding of HAHN US subsidiary

2014
RSBG SE
Acquisition of majority stake in HAHN Automation

2017
Founding of HAHN Automation Group

2020
Founding of United Robotics Group

Founding of HAHN Automation GmbH

> 1.800 Employees
30 Locations
15 Countries

AFTER TWO YEARS OF ACQUISITIONS & MAJOR MILESTONES...

2020

Founding of United Robotics Group

Rethink Robotics

Siemens becomes shareholder of Rethink Robotics

Geenial mbH

Realtime Robotics*

2021

HAHN RobShare GmbH

Entrance Robotics

Humanizing Technologies*

RobSolutions

Venda*

Founding of French entity

2022

Aldebaran Robotics

SoftBank Robotics Group becomes shareholder of URG

Founding of US entity

Launch of first Cobiot Plato

2023

Geenial mbH merges with URG

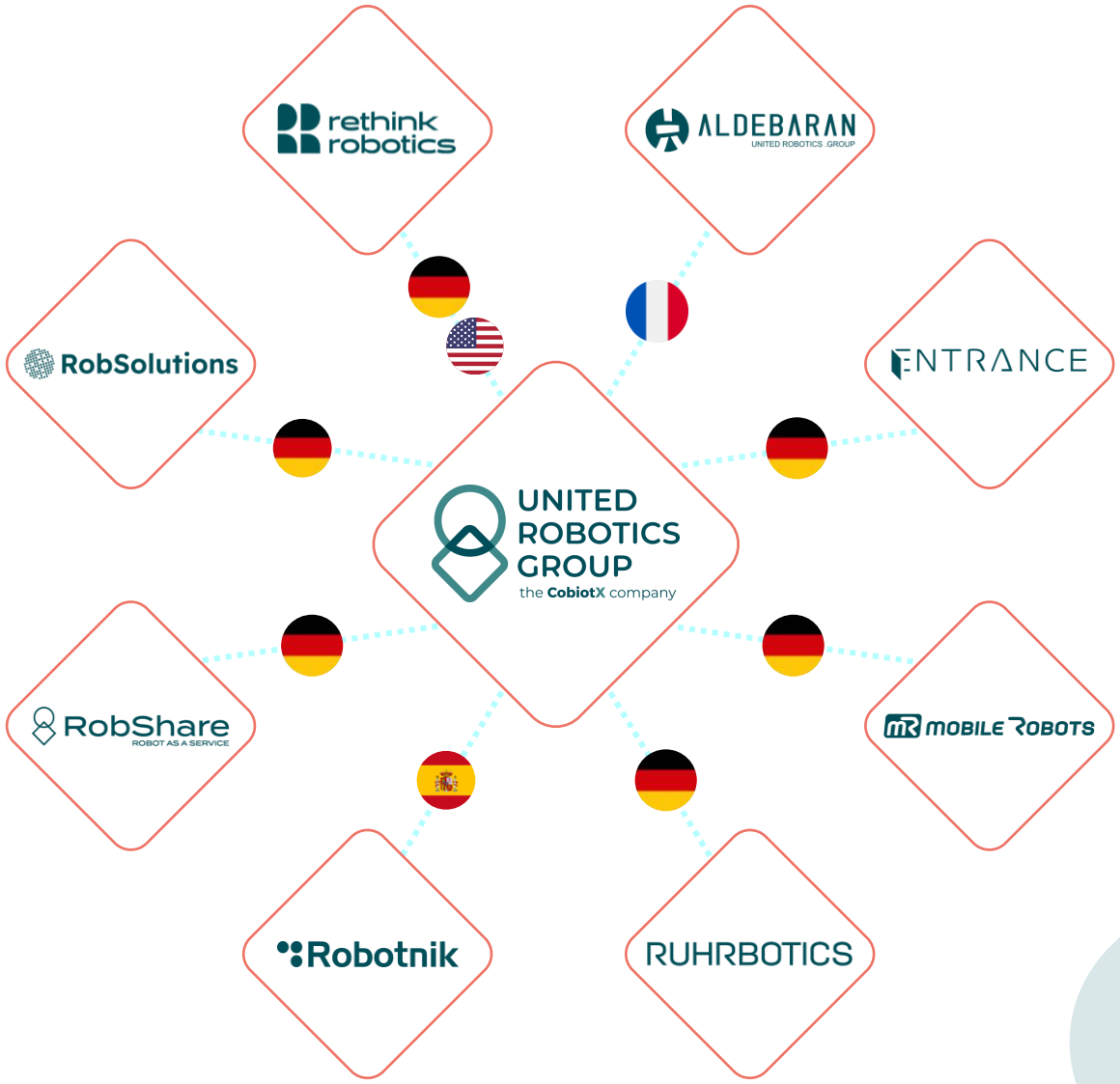
Mobile Robots by Dahl

Ruhrbotics

Robotnik

* Minority shares

… NOW WE ARE ONE UNITED GROUP OF 8 ROBOTICS COMPANIES.



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the CobiotX company

WE ARE A EUROPEAN ROBOTICS CHAMPION...

>470
employees

>40.000
Robots in the field

European corporation with American and Japanese roots

Stands for European, human-centric values in relation to privacy, security, safety & sustainability

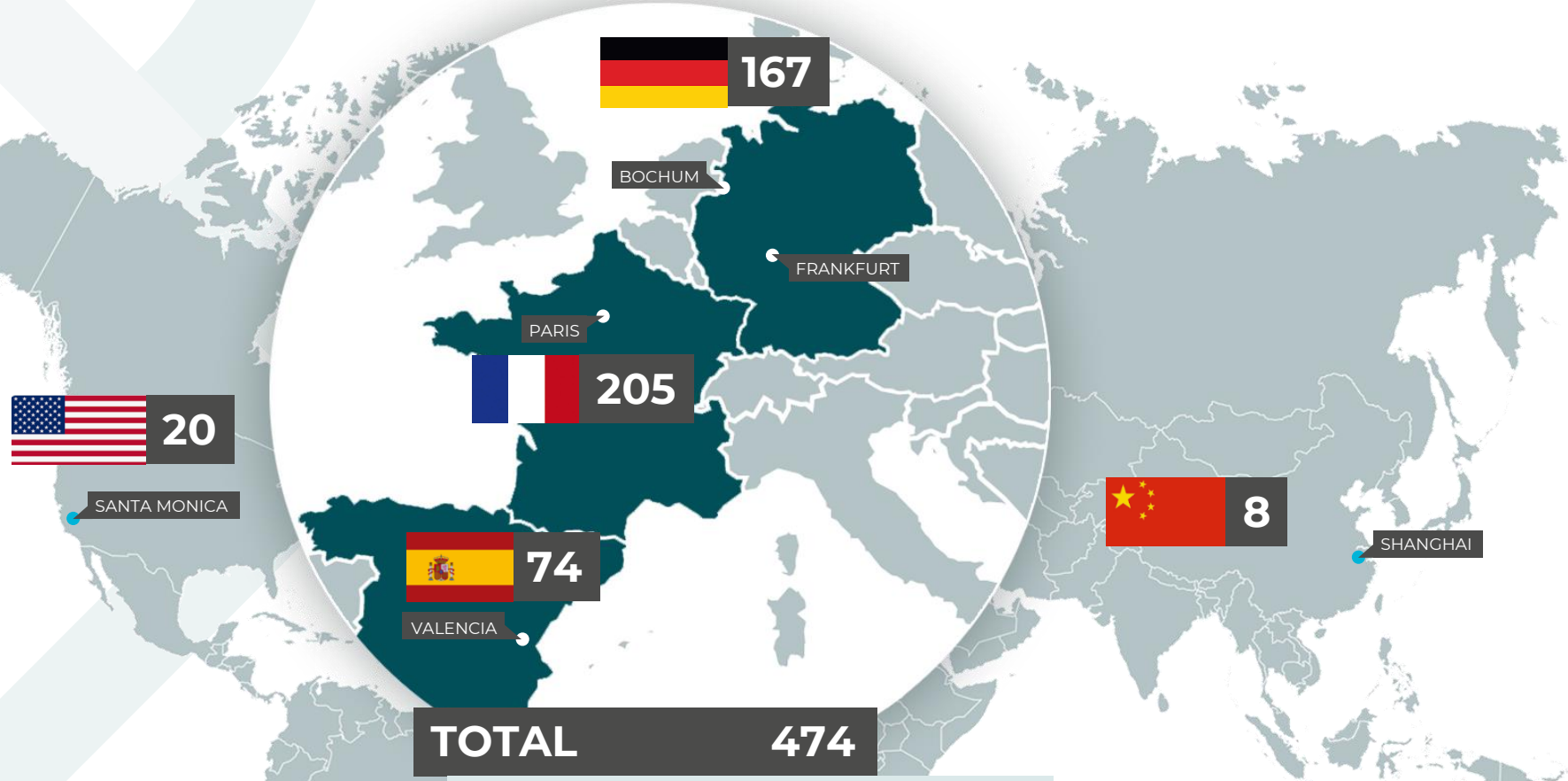
Works with

>1.000
universities and research institutes

>10.000
existing customers

UNITED ROBOTICS GROUP
the CobiotX company

WE ARE LOCATED IN 5 COUNTRIES WITH MORE THAN 470 HIGHLY MOTIVATED AND SKILLED EMPLOYEES



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the CobiotX company

MEET OUR ROBOT FAMILY: WE ARE DEDICATED TO DESIGN AND CREATE ROBOTS FOR HUMANS...

MobileLab

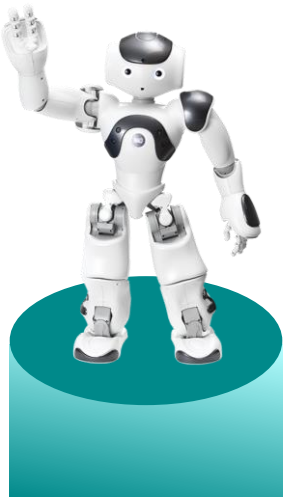
The agile mobile robot
for Lab Automation

RB-Watcher

The multi talent robot for
inspection & maintenance

NAO 6

The most well-known
humanoid robot for education



plato

The world first
serving Cobiot

pepper

The world first
emotional robot

Sawyer

The smart collaborative
robot, born in MIT

OUR ROBOTS ARE DESIGNED FOR BOTH PUBLIC LIFE AND INDUSTRIAL ENVIRONMENTS

PUBLIC LIFE Environments

HEALTHCARE

EDUCATION

HOSPITALITY

INDUSTRIAL Environments

INSPECTION & MAINTENANCE

INDUSTRY & INTRALOGISTICS

LIFE SCIENCE

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BEYOND JUST HARDWARE: OUR AIM IS TO PROVIDE A HOLISTIC SOLUTION ENCOMPASSING HARDWARE, SOFTWARE, SERVICES, AND FINANCIAL SOLUTIONS.

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Hardware & software products

We **develop and produce** hardware and software products

Integration & service

We **integrate** our products into the services and work processes of our customers.
We design and offer dedicated **market driven services**:

- We offer **cloud** services
- We offer **data driven** services
- We offer **remote** services
- We continuously improve contextual understanding to aim **personalized services**

Leasing, renting & distribution

We offer **“robots as a service”** as a subscription model

We **rent or lease** our products to customers (we retain ownership), parallel: **sell & rebuy** for recycling

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ROBOTICS FOR HUMANS – New Horizon

UNITED ROBOTICS GROUP
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United Robotics Group serves three major verticals with its own and third-party products

Products

Core products of URG are mobile robots for specialized applications:

- Handling of probes and materials
- Transportation of goods
- Cleaning of floors
- Inspection and security for in- & outdoor areas

Markets (verticals)

HEALTHCARE LIFE SCIENCE

uMobile Lab

uLog

Cleaning

INSPECTION & MAINTENANCE

uRun

INDUSTRY/ INTRALOGISTICS

Palletizing

uLog

Cleaning

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the CobiotX company

uLog Series Overview

Size (mm) (L x W x H)	570 x 500 x 1240	740 x 500 x 1240		900 x 600 x 1240	950 x 650 x 1240
Payload (kg)	80	150	300		600
Delivery Series	 D-80	 D-150	 D-300	 D-300 E	
Lifting Series		 L-150	 L-300	 L-300 E	 L-600
Sub-Lifting Series		 S-150	 S-300	 S-300 E	 S-600

HOSPITALITY

uServe

580 x 490 x 1290

40

ACCESSORY

uCharge

uClean Portfolio Overview

uClean Series	Compact	Vacuum 40	Scrub 50	Scrub 75
Product range				
Scrubbing & Squeeging	✓		✓	✓
Sweeping & Vacuuming	✓	✓		
Charging – and work stations (uCharge and uHarbor)	uCharge 01 	uCharge 02 	uCharge 03  uHarbor 01 	uHarbor 02 

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WHY USERVE? STRESSFUL AND UNPLEASANT WORK CONDITION RAISES STAFF HEALTH ISSUE, DEPARTURES AND EMPLOYEE TURNOVER COST.

3rd
most reported work injury at Foodservice - Muscle strains and sprains from either slips and falls, repetitive motions, standing in the same place for long periods of time or lifting heavy objects[5].

74%
vs. 46%
Staff turnover rate in the restaurant industry vs. all other private sectors in the US[1].

$1,886
annually training cost per employee turnover is estimated in the US[2].

44%
Staff turnover rate in the restaurant industry in Europe[4].

39%
of work accidents in FSRs links to manual handling in France[5].

25,000
Slip and fall accidents occur every day in the US[3].

$3,500
average turnover cost is estimated based on a $8/hour employee[2].

€600mn
Cost of employee turnover: recruitment & selection, training & education, productivity loss and exit costs[4].

€48,500
Cost of employee turnover per restaurant each year in Europe[4].

Cost of employee turnover is equal to the number of departures, times the average cost of those departures.

[1] Upserve [2] Restauant technology guys [3] FSRMagazine [4]Cashdesk [5]Ameli

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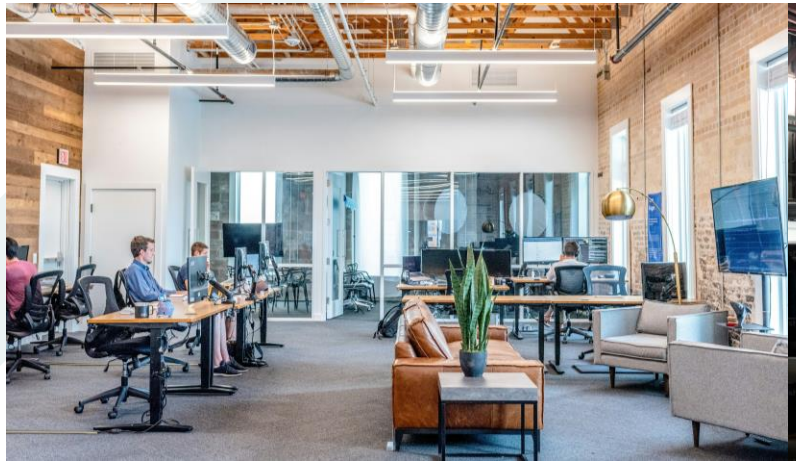
Where Professional Serving Robots Can Be Used? TAILORED FOR DIVERSE SETTINGS, Serving Robots operate across various environments, including restaurants, hotels, offices and factory, for optimal service and efficiency.

Restaurant

Hotel

Conference



Office Building

Factory

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WITH **NO PROGRAMMING REQUIRED,** USERVE SUPPORTS A VARIETY OF TASKS INCLUDING DELIVERING FOOD AND DRINKS AND BUSSING AND DRESSING TABLES, TO CREATE **BETTER WORKING CONDITIONS** THAT ALLOW STAFF TO **FOCUS ON GUESTS.**

- **Taking commands from staff and executing missions**
- **Helping staff to carry on drinks or food to customers**
- **Bussing the dishes & disposals**
- **Delivering drinks while staff serving other tables**
- **Running as a banquet for self-services**
- **Carrying set-ups for dressing tables**
- **Adapting the shape of trays and its apparency**

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IT HELPS TO ADDRESS **OPERATIONAL CHALLENGES**, CREATE BETTER **WORK CONDITIONS** & DELIVER GREATER **CUSTOMER EXPERIENCE.**

Operational Challenges	Benefits with uServe
Finding and retaining quality staff	**Attract and retain workforce:** for staff ➔ arm pain relief, less running around and reduce tedious tasks, focus on qualitative services and improve the quality of work
Increasing business profitability and services efficiency	**Improve profitability:** higher table turn-over rate
Controlling operational costs	**Reduce cost:** decrease serving and bussing OPEX, new staff training
Rising fierce direct and indirect competitions	**Improve customer experience:** higher service quality since crew members team up with uServe
Demanding customers with more and more alternatives	**Better comply with regulations and requirements:** reduce risks such as hygiene concerns, workload, and compliance, etc.

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uServe

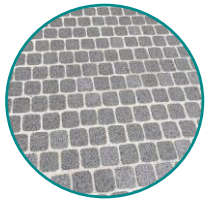
Smart Restaurant Robot

Applicable environments

·Restaurant
·Hotel
·Conference
·Office Building
·Factory

Applicable flooring types:


Carpet


Cement


Hardwood


Marble

Efficient and collaborative serving robot:

·Large HD screen; delivery, promotion and hospitality all-in-one
·Independent suspension, stable movement
·4 large smart trays, independent and high efficiency
·3D obstacle avoidance, no blind area, ultimate passibility
·5 delivery modes, suit your scenario
·IoT smart connection, remote calling, dynamic table locator

uServe

u·Serve

Specifications

- **Size :** 58*49*129 (cm)
- **Tray size :** 43*40 (cm)
- **Max payload :** 40 kg
- **Velocity :** 0.3~1.2m/s
- **Min passing space :** 65 cm
- **Slope :** ≤ 10°
- **Obstacle :** 20mm
- **Gap :** 65mm
- **Network :** 4G/wifi
- **Battery :** 15Ah
- **Screen size and dpi :**

Operational screen: 10.1 inch, 1280*720
Display screen: 15.6 inch, 1920*1080

- **Operation time :** Continuous working > 10h
- **Charging hours :** 3h

uServe : Smart Restaurant Robot

Advantages

Industry Leading 3D Smart Obstacle Avoidance
2 excellent 3D perception RGBD cameras; 180° large detection angle, no blind spot; AX-Chaos multi-sensor fusion obstacle avoidance algorithm; Suspension/low/irregular shape obstacles can all be avoided ; Support foot detection, chair leg detection and avoidance; Self-developed AX-Memory obstacle avoidance memory algorithm

Large HD screen; delivery, promotion and hospitality all-in-one
Multi-Functional Large Screen, Eye-Catching Marketing
15.6 inch; HD dpi 1920*1080; Picture/video/GIF/Music, various format support; Fixed-time/festival/birthday, flexible time setting; Robot/phone/PC end resource management

Flexible and Swift Passing Capability
Swift Reaction in Crowded Place
Strong passing capability in narrow path
H-shape body is both flexible and stable
Easy to pass through complex environment and crowded place

Smart Tray, Higher Automatic Efficiency
Automatic and Efficient
Delivery Pickup Perception System
Infrared sensor tray (optional)
Modular detachable structure
Smart light belt, multiple lighting indication modes

Adjustable Independent Suspension, Smooth Delivery
Precise Speed Control -Fast and Steady Movement
Vehicle-grade suspension
Adjustable damper based on payload
Smart damping, stable speed control
Thick carpet, wooden floor, marble splicing, up and down slopes can all be passed
Precise speed control, smooth start and brake
Fast, stable, multi-mode switch based on scenes

Stable and Never Lose Positioning Compatible with All Scenes
No need for QR code marker; More stable self-developed SLAM solution; Senseless incremental mapping; Dynamic perception of environmental changes; Multi-sensor fusion algorithm.
Support extreme environments: bright light/foggy/open large area/outdoor...

Various Operation Modes Simple and Convenient
Pad/phone and more interaction modes, user friendly operation
AI voice assistant, support scene-based dialogue
10+ light indications
Facial expression design, perceptual robotics service

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TECH SPECIFICATION

New Upgraded Technology, New Smart Delivery Experience

u·Serve

3D Obstacle Avoidance

Up and down RGBD cameras
No blind spot, 360° flexible obstacle avoidance

Large HD Screen

Large size, max resolution, ultra-high definition
Display your marketing AD

Water-proof & Dust-proof

Whole body IP43, battery IP66

Powerful LiDAR

360° detection
Ultra far range, ultra-high precision

Smart IoT System

Automatic take lift, pass through auto gate and auto door
Robot calling system
Smart table locator system

Smart Tray

Smart payload sensor, improve delivery efficiency
AI light belt reminder
Flexible and adjustable trays
4 trays design, more tasks handled simultaneously
Multi-point delivery and more powerful functions
1 layer load : 10 kg
1 layer volume : 12 L

Battery

Duration: 10h
7*24h service can be achieved with the charging pile.

Independent Suspension

Car-grade independent suspension of chassis
Flexible adjustment, effective damping

Authoritative Certifications

- ISO9001
- CE
- FCC
- UN38.3 report
- Elevator module certification

SMART IOT SYSTEM CONNECTS TO SMART RESTAURANT

Remote Call Smart Locator
Cross-Area Delivery

- Plate collection, remote calling
- Wireless waiter calling system (optional)
- Smart table tracker and calling system (optional)
- Cross-floor and cross-area delivery

Remote Calling

Table Tracker

SMOOTH AI VOICE INTERACTION EXPERIENCE

Smart Voice recognition technology

- Big data emotion speech synthesis technology
- Supports user-defined scene-based dialogue
- More convenient and interesting interaction

AI Speech Chip

- Smart speech synthesis technology
- 99%+ wake-up rate
- 5m far-field speech recognition rate
- 96%+ NLP accuracy

Mic Array

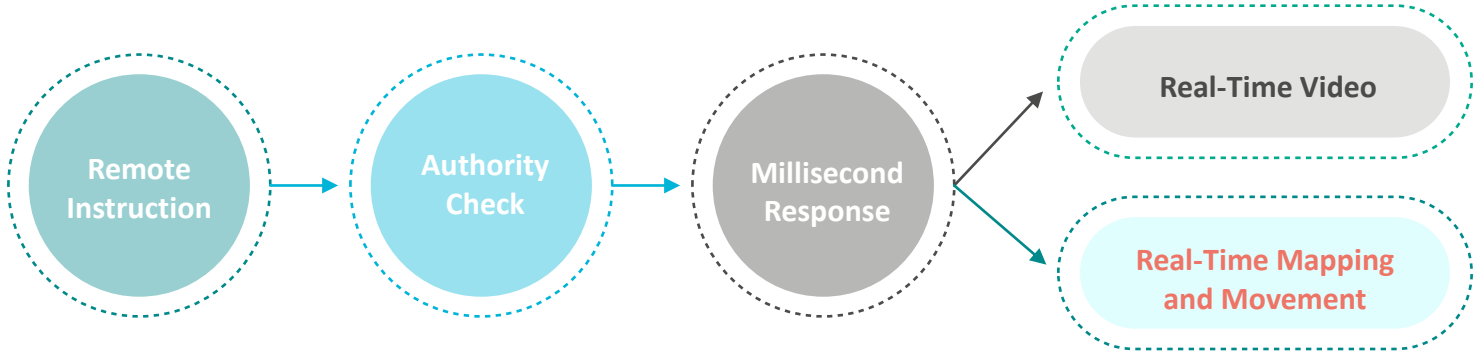
- All-round sound reception
- 360° near and far field full coverage
- 100 million times wake-up practices

THE 1ST IN THE INDUSTRY
REMOTE RAPID MAPPING DEPLOYMENT

Whole-process remotely deployed

No on-site standby, no contact

Ready-to-use in 10 min



- Remote VR map building
- Pad, mobile phone, PC
- Lidar + RGBD + IMU Dual-mode mapping
- Simple operation

Labor shortages, the rise of e-commerce, and the demand for greater efficiency are fueling the adoption of autonomous mobile robots in workplaces requiring transportation solutions.

by 2028, there will be more smart robots than frontline workers in manufacturing, retail and logistics due to **labor shortages**. [3]

78% of consumers now expecting to see same-day or next-day options when ordering online.

30% of **supply chain companies** rank **labor** in their **top 3 obstacles**, and **59%** invest in automation to address availability issues. [3]

+330K Transport and logistic robots are projected in 2026 with a CAGR of 40% from 2022[5]

60% of workers in sectors like **logistics and warehouses** suffer from **musculoskeletal disorders** (MSDs), the most common work-related illness in the EU[4]

80% of warehouses are "still manually operated with no supporting automation" in Middle East[2]

$44 bn The expected **reach of the global market size** for **Warehouse Automation** Market by 2028[1]

Repetitive tasks in warehouses raise **error risks, fatigue,** and lower order accuracy.

Source : [1]LogisticqIQ2023, [2]DHL Report and Mordor intelligence [3] GartnerSupply Chain Technology User Wants and Needs Survey2022 [4]OSHA Europa [5] IFR 2023

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the CobiotX company

Transforming workspaces: where indoor mobile robots enhance efficiency across key sectors

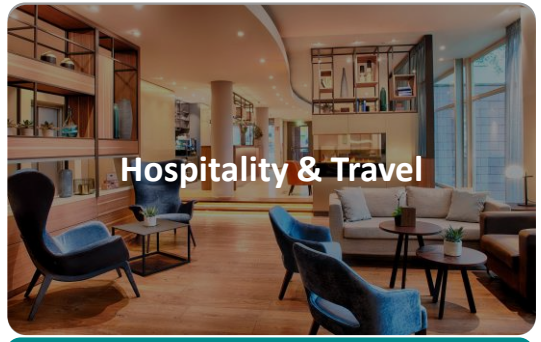
For automating tasks such as picking, packing, and transporting goods within warehouses.

For moving materials between production stages, reducing downtime and optimizing workflow.

For delivering medications, transporting medical supplies, and assisting in routine tasks.

Robots assist in lab settings by automating sample handling, conducting experiments, and ensuring precise measurements.

Robots can manage inventory, assist with restocking shelves, and even guide customers to specific products, enhancing the shopping experience.



For handling tasks like room service deliveries, luggage transport in hotels, and assisting with passenger guidance and baggage handling in airports.

Empowering Automation with Mobile Robots - Optimize Your Operations by Reducing Manual Labor and Boosting Efficiency

Lean production, continuous operation, digital control, and flexible material handling for routine task automation.

Challenges	Benefits with Mobile Robots
Resource Optimization and Waste Reduction	**Smart matching and lean production:** based on a smart matching method, with a focus on Just-In-Time (JIT) production, which reduces waste and improves efficiency.
Labor shortage	**Continuous operations and fast delivery:** The system ensures high efficiency with 24/7 operation, fast delivery speed, replacement of repetitive manual work, and a full record of material and delivery tasks.
Overcoming Operational Inefficiencies	**Digitalized management and control** ensures flexible task setting, timely delivery, fixed route loop delivery, traceable operation logs, and quantified results for optimized management.
Handling Rapid Material Changes in Production	**The flexible material delivery structure** facilitates the rapid switching of large quantities of materials during production changeovers and supports flexible scheduling allocation to enhance overall efficiency.
Addressing Time and Labor Costs in Routine Inspections	**The routine inspection task** leads to time and manpower savings, cost reductions, and a release from labor-intensive work.
Boosting Competitiveness in a Competitive Production Market	**The smart production system** enhances brand competitiveness and boosts overall production competitiveness.

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Introducing the future of mobile transport: our modular robotics family for for dynamic workspaces

The Base for All:
uLog Modular Platform

Adaptive Robots for
Every Task

Our **ready-to-use** uLog series

DELIVER

LIFT

LIFT BASE

UNITED ROBOTICS GROUP
the CobiotX company

Unlock infinite customization and **expanded solutions** with our modular platform—built for integrators, distributors, and end users.

uLog offers a modular platform that seamlessly fits into workflow, enhanced with industry-standard accessories. It simplifies operations and boosts safety and efficiency in a wide range of settings including logistics, manufacturing, retail, and healthcare.

Modularity for Expanded Solutions
(standard interfaces enabling different accessories)

Including wireless charging

Tailored Mobility, Infinite Possibilities

UNITED ROBOTICS GROUP
the CobiotX company

Engineered for maximum flexibility and seamless integration: discover the comprehensive and versatile features of our modular platform.

Modular Design

Real-Time Operation Data

Safety & Data Privacy
prioritized with highly sensitive sensor technology and certificates

Open API and No-Code Interfaces

Robust Multi-Robot Fleet Management

Robot command device & Follow mode

Advanced Navigation Technology

Interoperability with AMR/AGV Systems

Connectivity and Extensions

Rapid Deployments within minutes

Online Dashboard operation visualization

Door & **Elevator Management** enabling easy control and utilization of existing automated systems

High Payload Capacity
Capable of carrying up to 600 kg

Long Battery Life and Efficient Charging

Mobility
High-speed navigation up to 1.2 m/s

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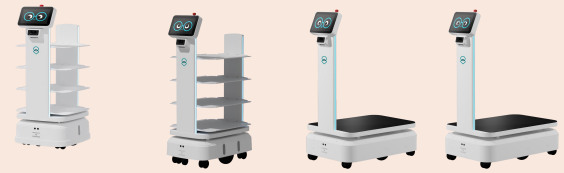
the CobiotX company

URG's Advanced Mobile Delivery Robots series (DELIVER, LIFT, LIFT BASE) - Quick Deployment for Autonomous Tasks, Optimizing Logistics and Efficiency

Designed for seamless integration into automated solutions across diverse environments.

Our ready-to-use uLog series

DELIVER

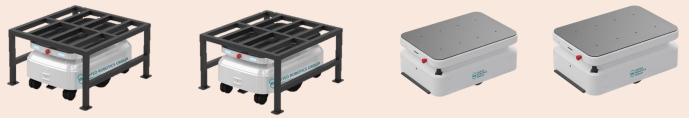


uLog DELIVER 80 | uLog DELIVER 150 | uLog DELIVER 300 | uLog DELIVER 300 XL

LIFT

uLog LIFT 150 | uLog LIFT 300 | uLog LIFT 300 XL | uLog LIFT 600

LIFT BASE



uLog LIFT 150 BASE | uLog LIFT 300 BASE | uLog LIFT 300 XL BASE | uLog LIFT 600 BASE

Hospitals; Clinics; Senior care	**Restaurants; Canteens Retail; Hotels; Airport, etc.**	**Production line; Warehouse; Fulfillment (e-commerce)**	**Laboratories (pharma, med-tech, bio-tech, nutraceuticals, processing, QC, etc.)**
Cart towing, Room service, Closed delivery (sensitive goods, e.g.medicine) Stock supply, Supply from stock to station or patient rooms , (meals, drugs, waste, laundry, ...), (Disinfection)	Cart towing, Food / drink delivery; Dishes / trays transport, Product promotion, Shelve refill, Closed delivery (room service, click&collect); Luggage transport	Cart towing, Goods/material (g/m) receipt and storage, g/m supply from stock to production lines (incl. JIT) Kitting: Collecting parts for assembly g/m transportation flow though production steps, Order picking, Sortation (conveyor, tilt tray) (Inventory management)	Goods receipt and storage, Material supply from stock to lab, Equipment transport

The power of our ready-to-use series: All fully automated operations with cross-floor mobility, intelligent control, and quiet, seamless movement

Mobility features include independent elevator riding, gate passage, obstacle avoidance, recharging, strong walking ability, adjustable speed, and intelligent positioning


Elevator


Gate


Automatic Door


Obstacle avoidance


Automatic recharging


Intelligent Map Creation

Applicable Floor Types The system offers precise speed control for fast, stable movement and features autonomous suspension damping, enabling smooth traversal over thick carpets, wooden floors, marble joints, and slopes, with controlled starting and stopping.


Thick Carpet


Cement


Wooden Floor


Marble


Outdoor

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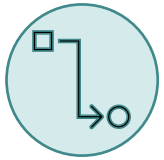
the CobiotX company

The deployment of the uLog series is designed to be highly **intuitive and user-friendly**, offering both **on-premise (offline)** and **cloud-based** deployment options.

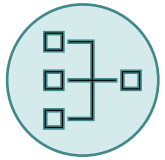
Robot Offline Mapping

On primes deployment

Offline deployment



Easy to configurate



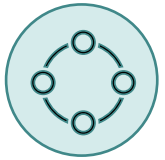
Cross platform support

Auto Deployment

Mapping within minutes

cm-level HD 3D map

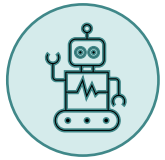
Cartographer enhanced algorithms



Unlimited mapping area

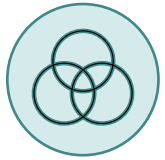
Remote Deployment

Remote deployment



Fully autonomous

Group formation



Fleet collaboration

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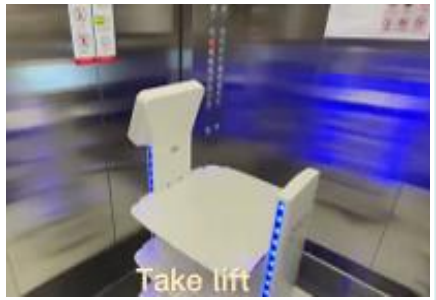
It is ready to use, easy to operate: enhancing operational efficiency with remote control, precision navigation, and seamless integration

Remote calling
& push notifications upon arrival

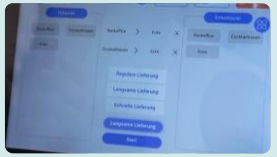
Cross-floor delivery with intelligent lift integration



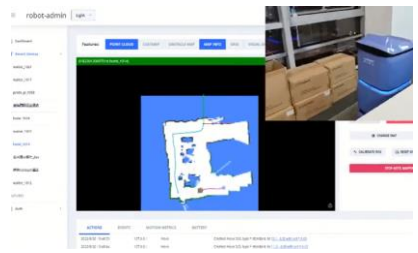
Remote Control

Navigation through tight spaces with handling of standard box sizes and 4 available spaces

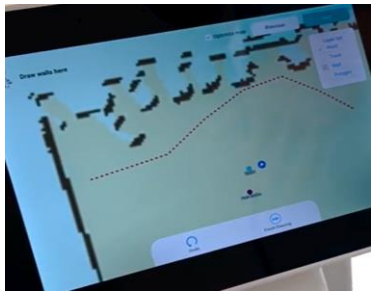
Lifting and destination point
(ulog LIFT & uLog LIFT BASE series only)



Real-time Remote mapping for precise control



Define areas (Narrow spaces, slow drive, forbidden zones...

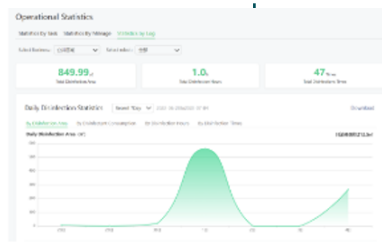


Advanced route planning modes: Autonomous, Virtual Streets, and Obstacle Avoidance

Auto return to docking station & automatic charging

UNITED ROBOTICS GROUP
the CobiotX company

Centralized and flexible robot management with **cloud integration** and **multi-device access.**



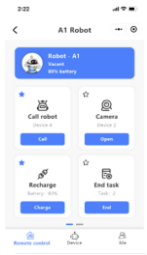
Cloud & Management Platform

- Real-time monitoring
- Task dispatching
- Big data analysis
- Open API for ERP/WMS integration

remote task dispatch

big data analysis, trackable work process

Multi-device access



Mobile app
- PC/browser
- Robot terminal
- Pad

UNITED ROBOTICS GROUP
the CobiotX company

uLog DELIVER series

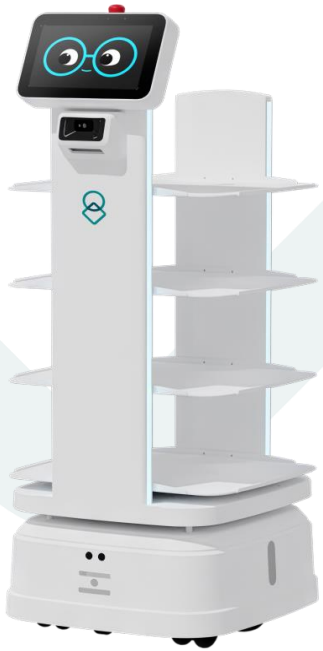
UNITED ROBOTICS GROUP
the CobiotX company

Introduction of URG uLog Delivery Robots Solution

uLog DELIVER 80

uLog DELIVER 150

- Load capacity of 80 or 150 kg
- Handling of light items
- Agile movement
- Intelligent operation in narrow spaces (production lines)
- Reduction of unnecessary personnal movement



uLog DELIVER 300

- Load capacity of up to 300 kg
- Supports flexible customization
- Allows for replacement of carriers

uLog DELIVER 300 XL

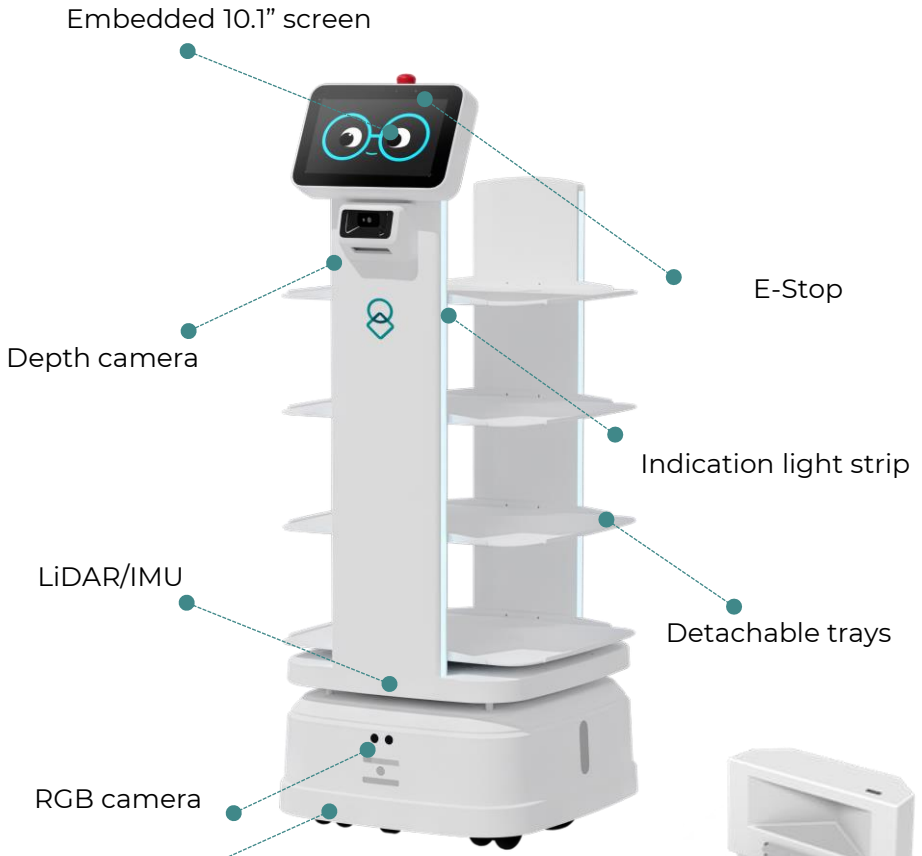
- Large cargo area
- Load capacity of up to 300 kg
- Combines carrying capacity with flexibility

uLog Deliver 80

Key functions / Equipment

- Load weight up to 80 kg
- Max. speed of 1.2 m/s
- 4 shelf layers (customizable)
- Embedded screen
- Safety LiDAR
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Handling of light items
- Agile movement
- Intelligent operation in narrow spaces (production lines)
- Reduction of unnecessary personnal movement



Wireless Charging Moduel

u·Log
DELIVER 80

- **Dimensions:** 570 x 500 x 1240 mm
- **Maximum Load Capacity**: 80 kg
- **Empty Vehicle Weight:** 65 kg
- **Minimum passage Width**: 60 cm
- **Loading Area:** 500 x 424 mm
- **Working environment:** Indoor and outdoor in qualified parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
- **EMC** : EMC Directive (EN IEC 62196, IEC 61000-6-2 , IEC 61000-6-4)
- **Restriction of hazardous substances**: DIN EN IEC 62321
- **Radio Certification**: Radio Equipment Directive (ETSI EN 489-1, ETSI EN 489-17, ETSI EN 489-52) | ESI EN 300 238 | ESTI EN 301 908-1, ETSI EN 301 908-13 | EN 1175 | EN IEC 62311 :2020

uLog Deliver 150

Key functions / Equipment

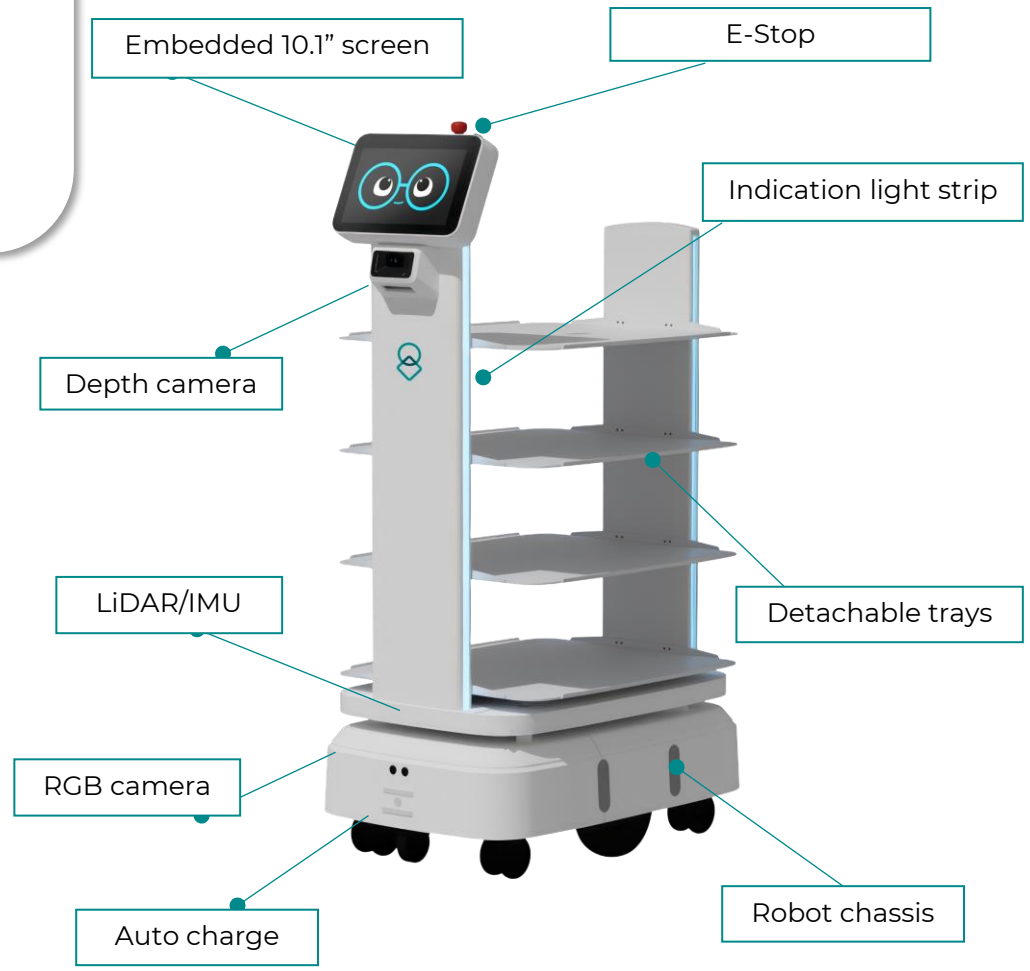
- Load capacity of 150 kg
- Max. speed of 1.2 m/s
- 4 shelf layers (customizable)
- Embedded screen
- Safety LiDAR
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Handling of light items
- Agile movement
- Intelligent operation

in narrow spaces (production lines)

- Reduction of unnecessary

personnal movement



uCharge 04

Wireless
Charging Moduel

u·Log
DELIVER 150

- **Dimensions:** 740 x 500 x 1240 mm
- **Maximum Load Capacity**: 150 kg
- **Empty Vehicle Weight:** 90 kg
- **Minimum passage Width**: 70 cm
- **Loading Area:** 580 x 500 mm
- **Working environment:** Indoor and outdoor in qualified parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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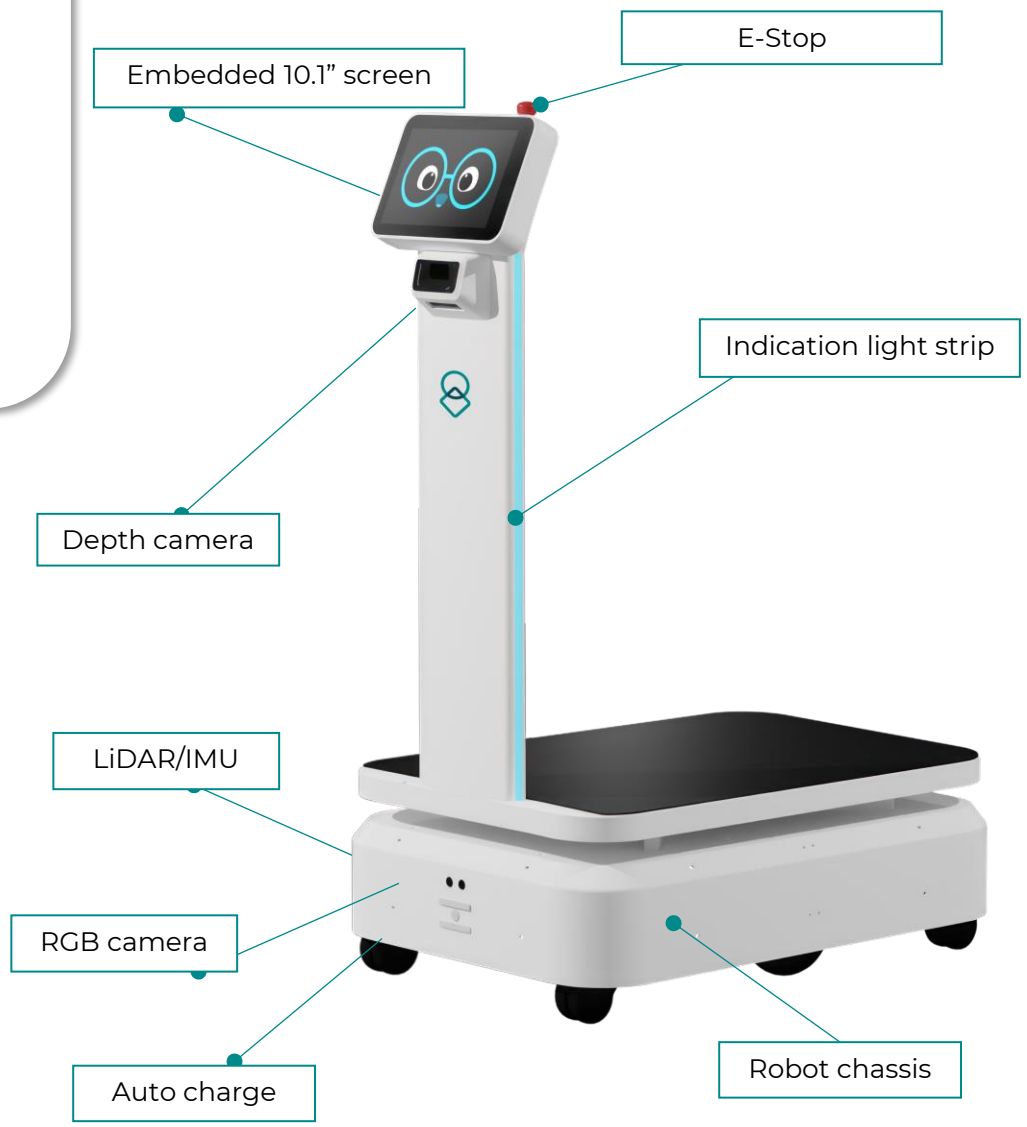
uLog Deliver 300

- Supports flexible customization
- Allows for replacement of carriers

Key functions / Equipment

- Load capacity of up to 300 kg
- Max. speed of 1.2 m/s
- Embedded screen
- Safety LiDAR
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging



uCharge 04

Wireless Charging Moduel

u·Log
DELIVER 300

- **Dimensions:** 740 x 500 x 1240 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 85 kg
- **Minimum passage Width**: 70 cm
- **Loading Area:** 620 x 500 mm
- **Working environment:** Indoor and outdoor in qualified parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
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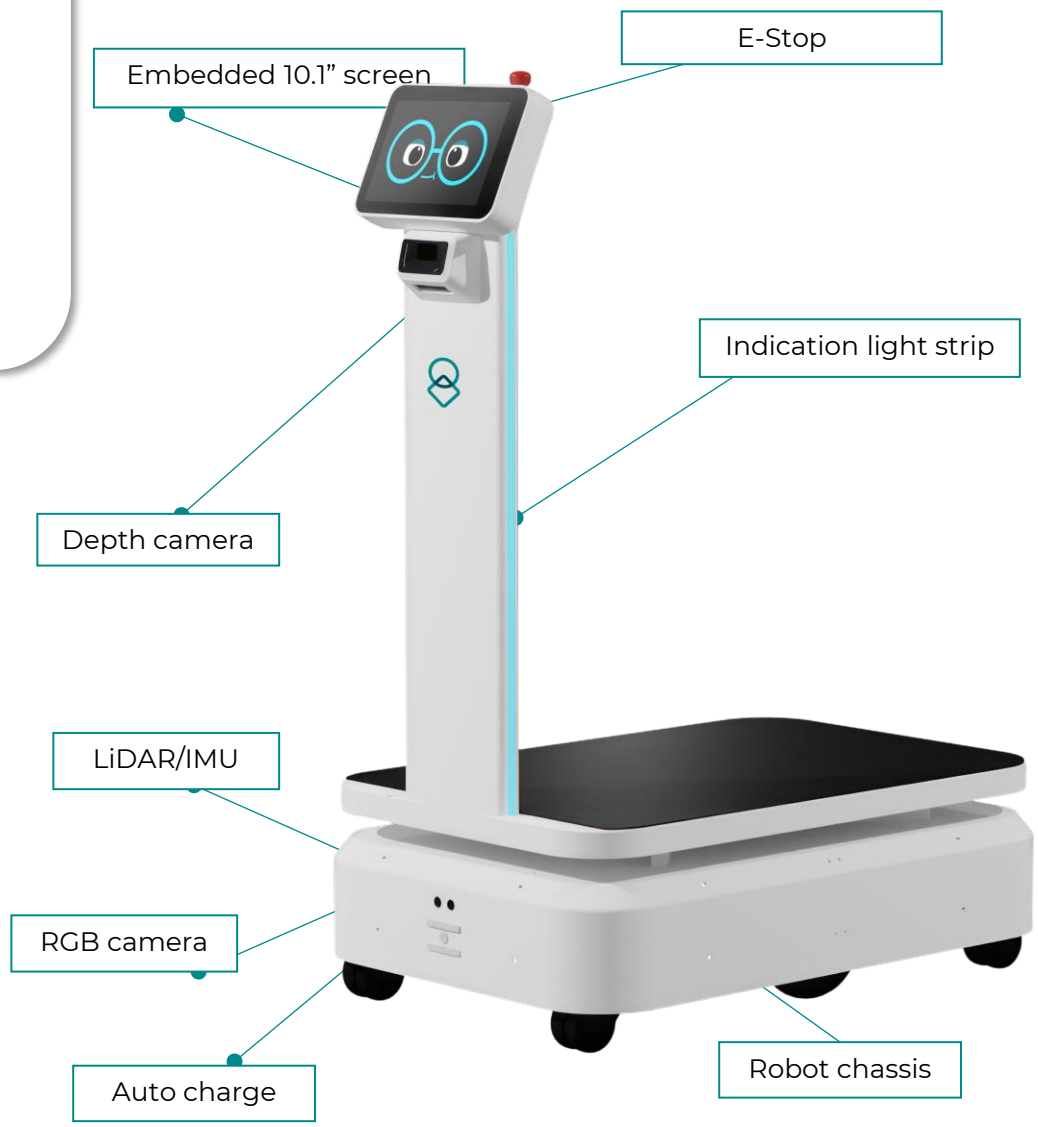
uLog Deliver 300 XL

- Large cargo area
- Combines carrying capacity with flexibility

Key functions / Equipment

- Load capacity of up to 300 kg
- Max. speed of 1.2 m/s
- Embedded screen
- Safety LiDAR
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging



uCharge 04

Wireless Charging Moduel

u·Log

DELIVER 300 XL

- **Dimensions:** 900 x 600 x 1240 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 95 kg
- **Minimum passage Width**: 80 cm
- **Loading Area:** 770 x 600 mm
- **Working environment:** Indoor and outdoor in qualified parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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uLog LIFT series

UNITED ROBOTICS GROUP
the CobiotX company

Introduction of URG uLog Lifting Robots Solution

u·Log LIFT 150

- Load capacity of 150 kg

u·Log LIFT 300

- Load capacity of 300 kg

u·Log LIFT 300 XL

- Load capacity of up to 300 kg

u·Log LIFT 600

- **Ultra-high load capacity** to 600kg

- Equipped with advanced lifting functions.
- Can autonomously identify shelves.
- Perform lifting operations independently.
- Enable unmanned material handling.

. Supports quick integration with MES, ERP, and WMS systems.

- Facilitates task assignment from production systems to robots.
- RCS Scheduling: Supports multi-robot scheduling.

uLog Lift 150

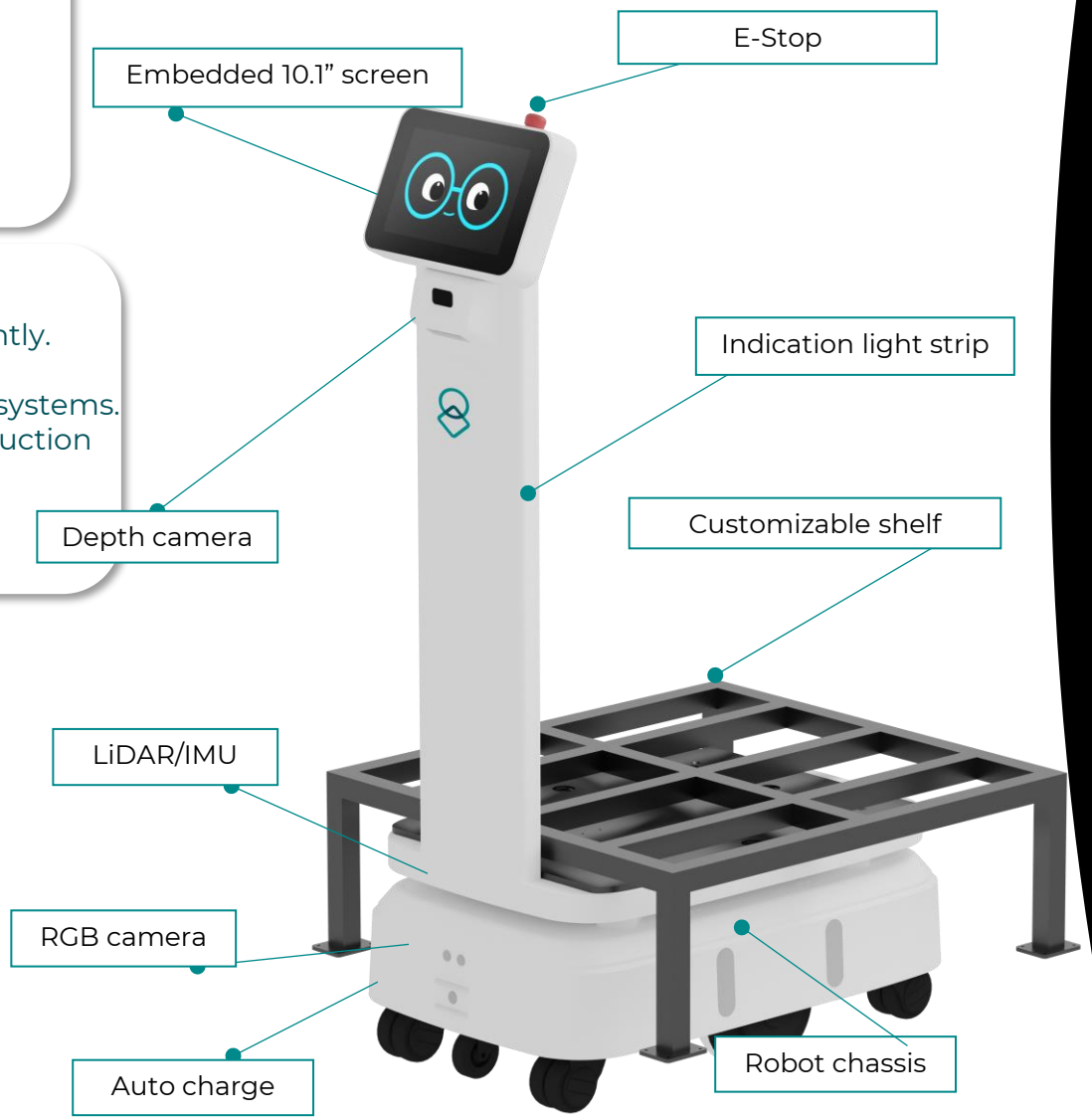
Key functions / Equipment

- Load capacity of 150 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Can autonomously identify shelves.
- Perform lifting operations independently.
- Enable unmanned material handling.
- Integration with MES, ERP, and WMS systems.
- Facilitates task assignment from production systems to robots.
- RCS Scheduling

uCharge 04

Wireless
Charging Moduel



u·Log
LIFT 150

- **Dimensions:** 740 x 500 x 1240 mm
- **Maximum Load Capacity**: 150 kg
- **Empty Vehicle Weight:** 78 kg
- **Minimum passage Width**: 80 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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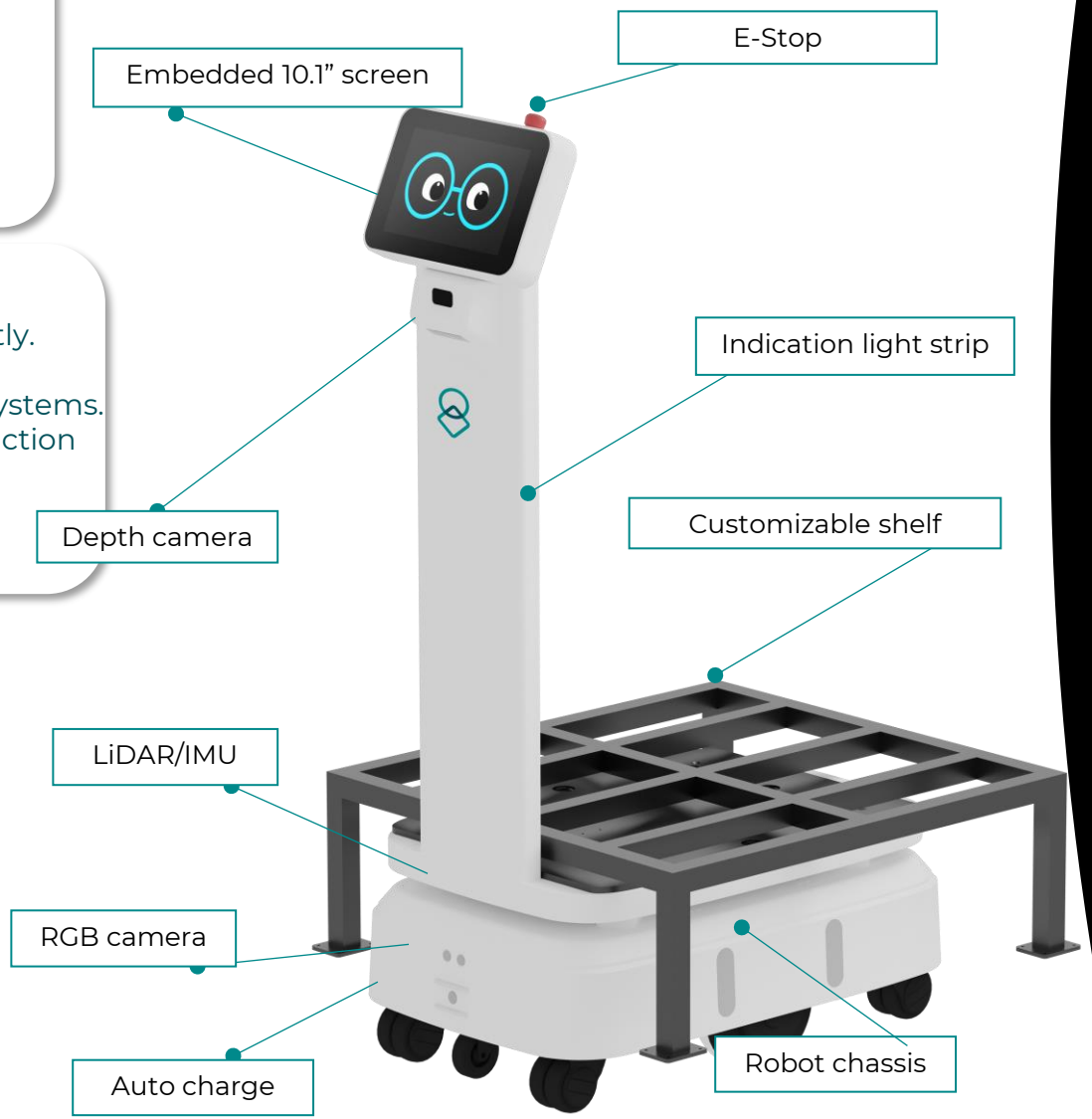
uLog Lift 300

Key functions / Equipment

- Load capacity of 300 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Can autonomously identify shelves.
- Perform lifting operations independently.
- Enable unmanned material handling.
- Integration with MES, ERP, and WMS systems.
- Facilitates task assignment from production systems to robots.
- RCS Scheduling

Wireless
Charging Moduel



u·Log
LIFT 300

- **Dimensions:** 740 x 500 x 1240 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 78 kg
- **Minimum passage Width**: 80 cm
- **Working environment:** Indoor and outdoor in qualified parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy**: ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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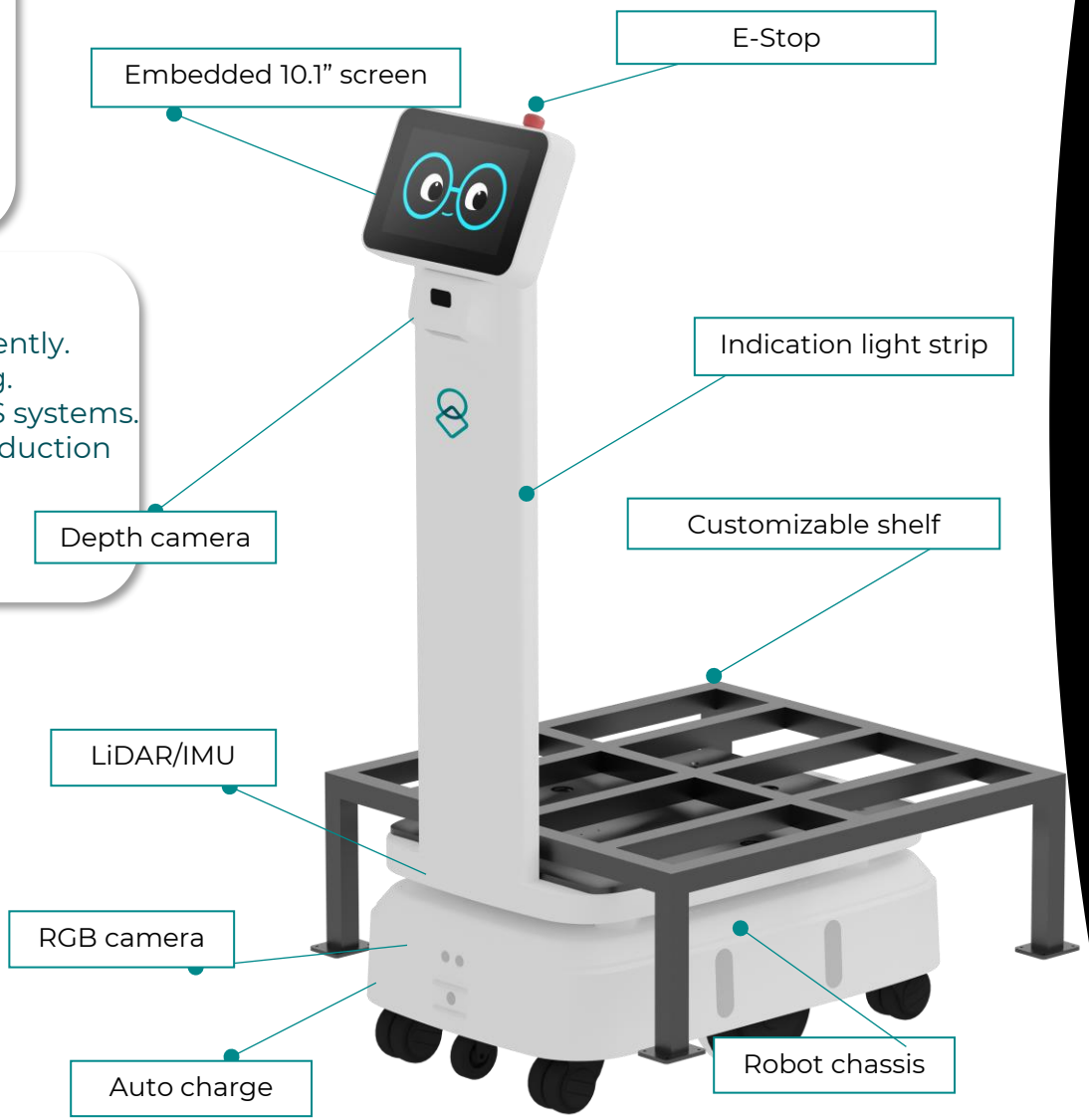
uLog Lift 300 XL

Key functions / Equipment

- Load capacity of 150 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Can autonomously identify shelves.
- Perform lifting operations independently.
- Enable unmanned material handling.
- Integration with MES, ERP, and WMS systems.
- Facilitates task assignment from production systems to robots.
- RCS Scheduling



uCharge 04

Wireless
Charging Moduel

u·Log

LIFT 300 XL

- **Dimensions:** 900 x 600 x 1240 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 100 kg
- **Minimum passage Width**: 75 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **BatteryOperation time** : 10h / Charging time : 5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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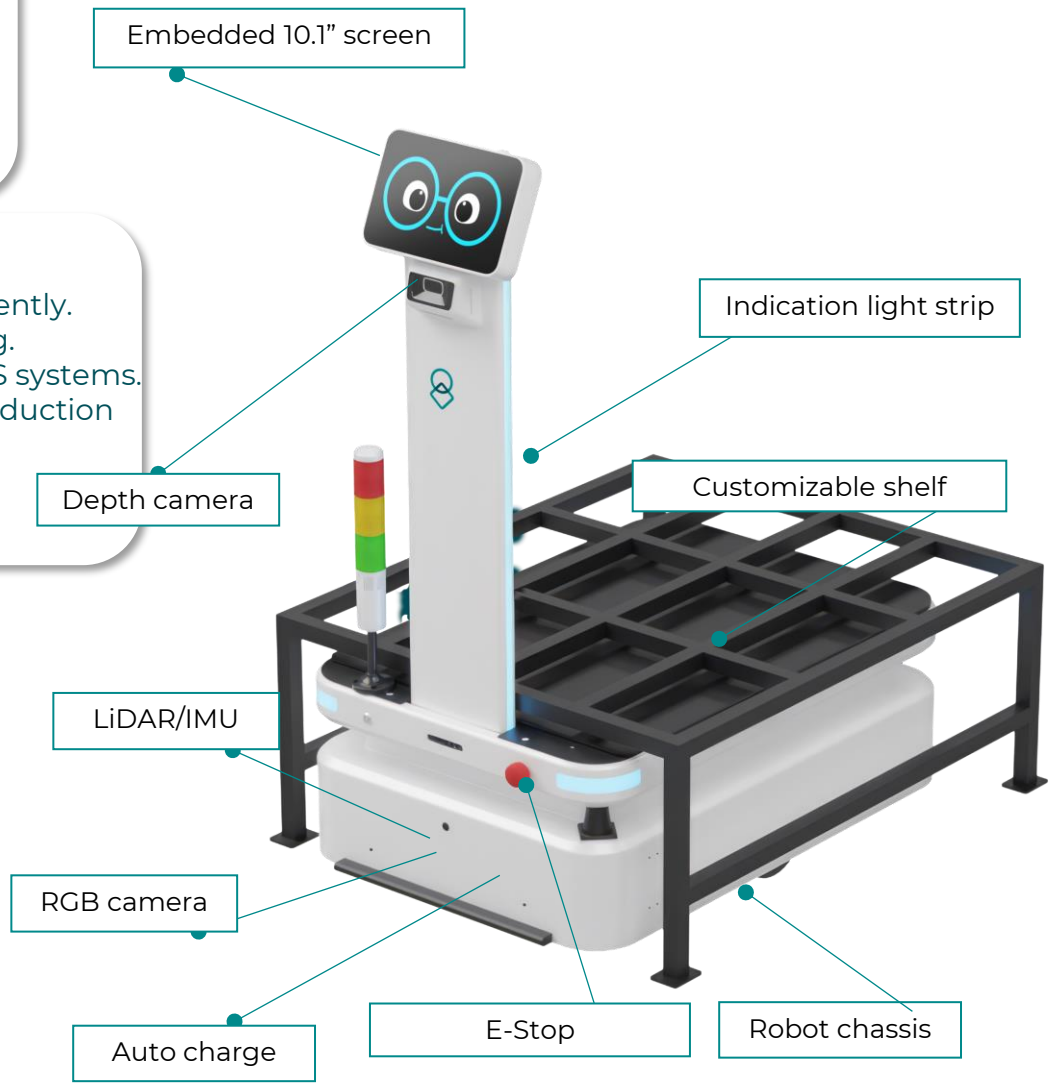
uLog Lift 600

Key functions / Equipment

- Load kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Can autonomously identify shelves.
- Perform lifting operations independently.
- Enable unmanned material handling.
- Integration with MES, ERP, and WMS systems.
- Facilitates task assignment from production systems to robots.
- RCS Scheduling

Wireless
Charging Moduel



u·Log
LIFT 600

- **Dimensions:** 950x500x1240 mm
- **Maximum Load Capacity**: 600 kg
- **Empty Vehicle Weight:** 180 kg
- **Minimum passage Width**: 80 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery:** Operation time: 10h / Charging time: 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine DirectiveISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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uLog LIFT BASE series

UNITED ROBOTICS GROUP
the CobiotX company

Introduction of URG uLog Lift Base Robots Solution

u·Log
LIFT 150 BASE

u·Log
LIFT 300 BASE

u·Log
LIFT 300 XL BASE

u·Log
LIFT 600 BASE

- Intelligent Lifting Functions
- Can autonomously identify shelves
- Perform lifting operations without human intervention
- Quick integration with MES, ERP, and WMS systems
- Task assignment to robots via these systems
- Supports simultaneous management of multiple robots via RCS

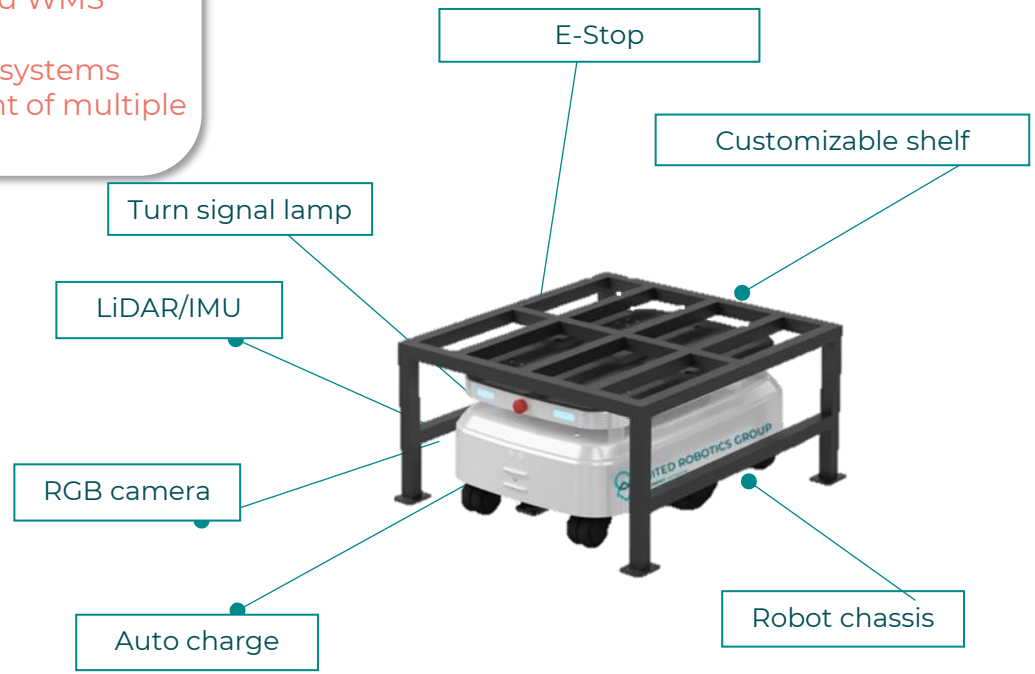
uLog Lift 150 Base

Key functions / Equipment

- Load weight up to 150 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Intelligent Lifting Functions
- Can autonomously identify shelves
- Perform lifting operations without human intervention
- Quick integration with MES, ERP, and WMS systems
- Task assignment to robots via these systems
- Supports simultaneous management of multiple robots via RCS

Wireless
Charging Moduel



u·Log
LIFT 150 BASE

- **Dimensions:** 740x500x310 mm
- **Maximum Load Capacity**: 150 kg
- **Empty Vehicle Weight:** 72 kg
- **Minimum passage Width**: 70 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **BatteryOperation time** : 10h / Charging time : 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine Directive ISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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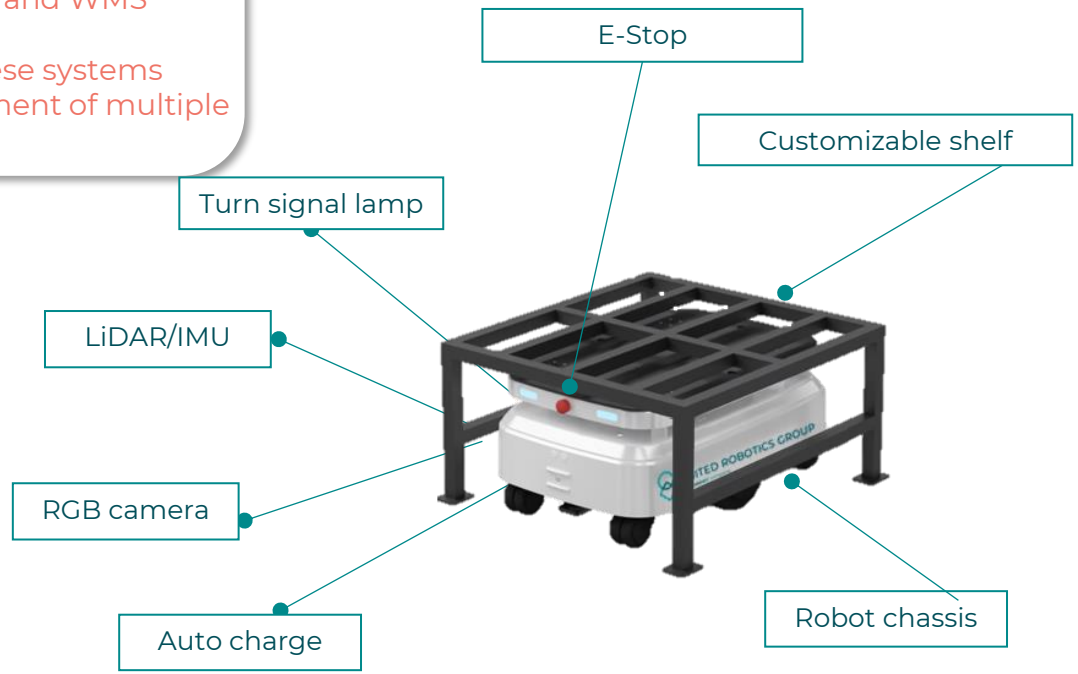
uLog Lift 300 Base

Key functions / Equipment

- Load weight up to 300 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Intelligent Lifting Functions
- Can autonomously identify shelves
- Perform lifting operations without human intervention
- Quick integration with MES, ERP, and WMS systems
- Task assignment to robots via these systems
- Supports simultaneous management of multiple robots via RCS

Wireless
Charging Moduel



u·Log
LIFT 300 BASE

- **Dimensions:** 740x500x310 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 72 kg
- **Minimum passage Width**: 70 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery Operation time** : 10h / Charging time : 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
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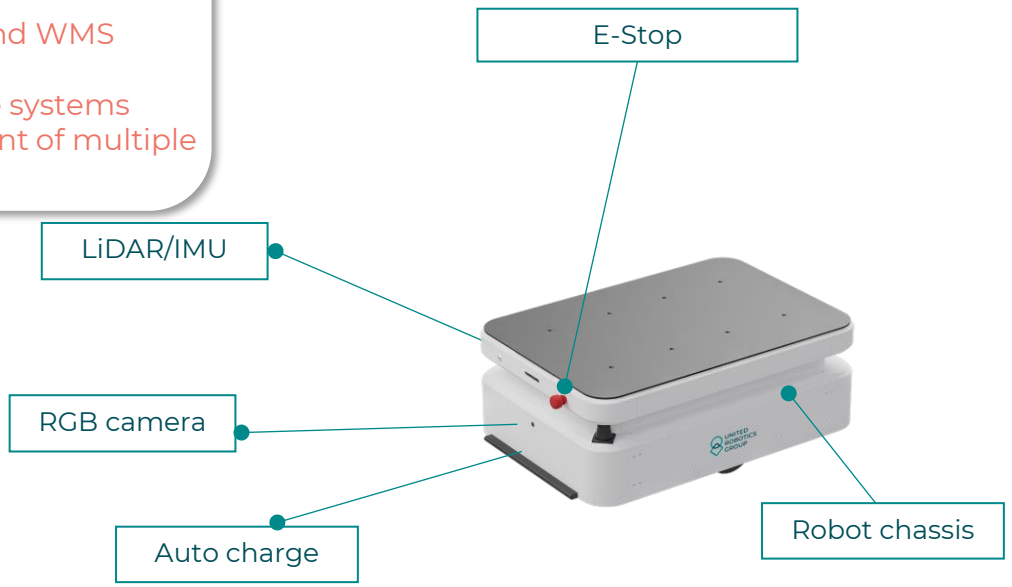
uLog Lift 300 XL Base

Key functions / Equipment

- Load weight up to 300 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Intelligent Lifting Functions
- Can autonomously identify shelves
- Perform lifting operations without human intervention
- Quick integration with MES, ERP, and WMS systems
- Task assignment to robots via these systems
- Supports simultaneous management of multiple robots via RCS

Wireless
Charging Moduel



u·Log

LIFT 300 XL BASE

- **Dimensions:** 740x500x310 mm
- **Maximum Load Capacity**: 300 kg
- **Empty Vehicle Weight:** 90 kg
- **Minimum passage Width**: 75 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery Operation time** : 10h / Charging time : 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine Directive ISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
- **EMC** : EMC Directive (EN IEC 62196, IEC 61000-6-2 , IEC 61000-6-4)
- **Restriction of hazardous substances**: DIN EN IEC 62321
- **Radio Certification**: Radio Equipment Directive (ETSI EN 489-1, ETSI EN 489-17, ETSI EN 489-52) | ESI EN 300 238 | ESTI EN 301 908-1, ETSI EN 301 908-13 | EN 1175 | EN IEC 62311 :2020

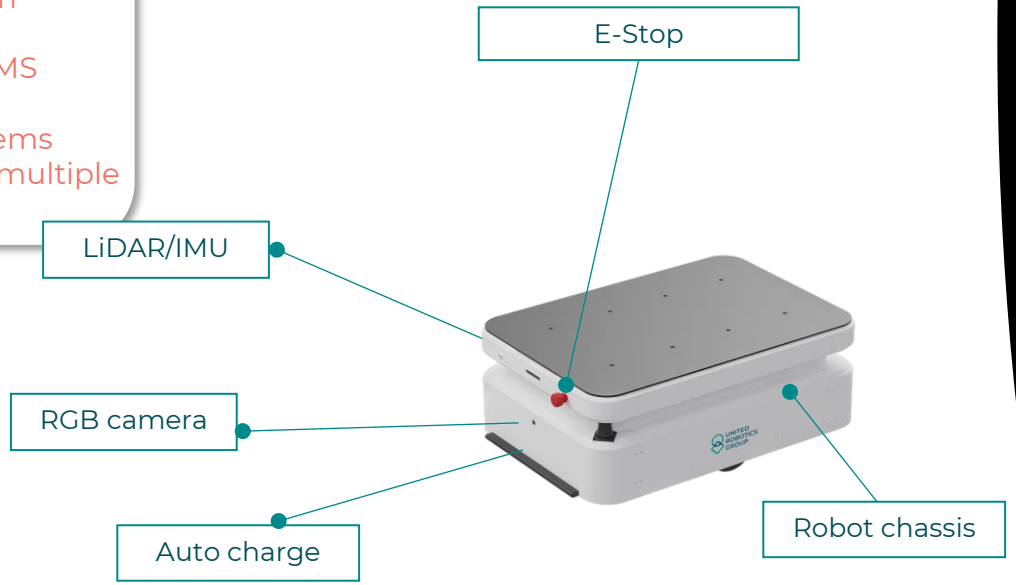
uLog Lift 600 Base

Key functions / Equipment

- Load weight up to 600 kg
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

- Intelligent Lifting Functions
- Can autonomously identify shelves
- Perform lifting operations without human intervention
- Quick integration with MES, ERP, and WMS systems
- Task assignment to robots via these systems
- Supports simultaneous management of multiple robots via RCS

Wireless
Charging Moduel



u·Log
LIFT 600 BASE

- **Dimensions:** 950 x 650 x 365 mm
- **Maximum Load Capacity**: 600 kg
- **Empty Vehicle Weight:** 160 kg
- **Minimum passage Width**: 80 cm
- Working **environment: Indoor and outdoor in qualified** parks/industry zones
- **Maximum Speed**: 1,2 m/s
- **Navigation Mode**: Free / Track / Mixed / Follow
- **Positioning Accuracy** : ± 5 mm / ± 1°
- **Network Communication**: 4G/5G/Traffic quota/WIFI/Bluetooth
- **Battery Operation time** : 10h / Charging time : 5,5h
- **Expendables peripheral** : Elevator, automatic door, notification lights and speakers, call buttons, follow bracelets, rollers, cabinets, shelves
- **Product Safety Compliance**: Machine Directive ISO 12 100, ISO 13849, ISO 13850, IEC 60204-1 | Risk Assessment & Design (ISO 12100) | ISO 3691-4
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The professional cleaning market faces **challenges** like high labor turnover and safety concerns, while **rising demand for cleaning robots** offers opportunities to improve efficiency and address labor shortages.

30%
Of reported accidents in the Janitor sectors is linked to **STFs (Slips, trips and falls)** in Europe

Up to 90K
STF incidents reported Annually in Germany

Up to €1.7 bn
Estimated overall economic burden in Germany
(eg. the direct costs of medical treatment, lost productivity, and administrative expenses.)

+50%
Professional Cleaning Robot – IFR projected growth of CAGR 2023 - 2026

$3.4 bn
The expected **reach of the global market size** for B2B floor cleaning robots by 2028

200%
Employee turnover rate in the cleaning industry.

80%
Efficiently cleaning by cleaning robot of an area continuously, leaving only **20%** of complex tasks for human intervention.

85%
of companies in the cleaning sector report **challenges in hiring** and retaining qualified staff.

35K
Units of professional cleaning robots projected in 2026

Source: IFR 2023 report, German Social Accident Insurance (DGUV), Science Direct, Business research insight, McKinsey & Well Company, CleanLink

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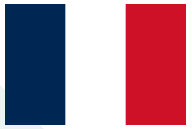
the CobiotX company

A 200% janitor turnover rate can cost up to **€9.5 bn of estimated economic cost** across France and DACH region.

Number of Janitors	Cost components	Total annual cost per janitor	Total Economic Cost for the region
 **700,000**	**Recruitment Costs:** Estimated at €1,500 per hire. For a 200% turnover rate: 2 hires per position. **Training Costs:** Estimated at €1,000 per new hire. **Lost Productivity:** Estimated at €600 per hire during the training period (assuming a 30% productivity loss). **Overtime Costs:** Estimated at €300 per hire to cover shifts before the position is filled. **Client Loss Impact:** Estimated impact of €500 per janitor annually due to potential service disruptions and quality issues.	**€7,300 per Janitor per Year**	**€5.11 bn**
 **800,000**			**€5.84 bn**
 **500,000**			**€3.65 bn**

Source: Recruitment, training, and productivity loss estimates are based on industry standards and studies from labor and economic research institutions such as the European Agency for Safety and Health at Work (EU-OSHA).Janitor numbers are estimated from national labor statistics and industry reports.Economic impacts are generalized from case studies and extrapolated based on the turnover rate.

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Where Professional Cleaning Robots Can Be Used? TAILORED FOR DIVERSE SETTINGS, Service Cleaning Robots operate across various environments, including retail spaces, hotels, educational institutions, large facilities, and warehouses, for optimal cleanliness and efficiency.

Shopping Malls

Supermarkets

Hotels

Transportation Hub

Office Building

Healthcare

Manufacturing

Warehouses

Others

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SUITABLE FOR MULTIPLE CLEANING METHODS, The Service Clean Robots clean various floor types, including tile, concrete, and carpet. They perform tasks like dry sweeping, wet mopping, and deep scrubbing, making them versatile for diverse environments.

Robot Cleanning Methods


Sweeping


Vacuuming

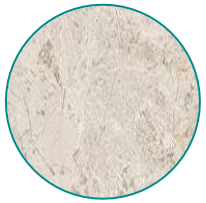

Scrubbing

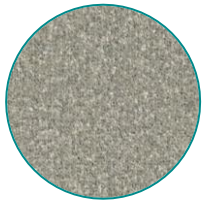

Dust Mopping


Degreasing

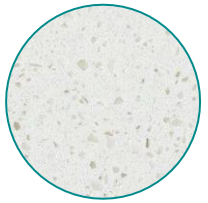
Applicable Floor Types


Ceramic Tiles


Natural Stone


Low Pile Carpet


PVC & Vinyl

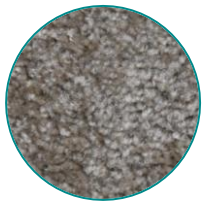

Artificial Marble/Granite


Hardwood


Epoxy


Concrete


PU


High Pile Carpet

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It helps in integrating with smart technology, lowering operating expenses, meeting various kinds of cleaning needs, and overcoming personnel shortages.

Challenges	Benefits with Cleaning Robots
Labor shortage	**Reduced need for manual cleaning tasks:** allowing companies to maintain cleanliness standards without relying heavily on human workers.
Rising Operational Costs	**Optimize cost management:** automating repetitive tasks, reducing the need for costly overtime, and minimizing wastage of cleaning supplies.
Maintaining Consistent Cleaning Standards	**Handle diverse cleaning tasks:** operate in different environments and flooring types, deploying multiple cleaning methods.
Adaptation to Industry 4.0 Paradigms	**Integrate with smart technologies:** allowing for real-time data collection and optimization of cleaning schedules, for a more modernized cleaning process.
Quality of Working Environment and High Cost of Turnover	**improve the working environment:** reducing physical strain on workers and help lower turnover costs by decreasing the demand for high-turnover, labor-intensive roles.

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Meet our Cleaning Service robots – the uClean Family

Smart Automation, Human-Centered Care: The Next Generation of Clean for Businesses.

u·Clean COMPACT

All-in-One Cleaner

u·Clean VACUUM 40

High-Efficiency Vacuum Cleaner

u·Clean SCRUB 50

Smart-Scrub Floor Cleaner

u·Clean SCRUB 75

Industrial Degrease Clearer

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Accessories: Compatible Charging Stations and Workstations

U·Charge 01

Auto Recharge & Resume

The robot recharges itself when needed and continues its task after charging.

U·Clean VACUUM 40

U·Clean SCRUB 50

U·Charge 03

Auto Recharge & Resume

The robot recharges itself when needed and continues its task after charging.

U·Clean COMPACT

U·Harbor 01

Automated Service Station 50

Boost robot uptime by handling charging, water refills, and sewage discharge automatically.

U·Clean SCRUB 50

U·Harbor 02

Automated Service Station 75

Ensure continuous operation for robot by automating essential maintenance tasks, reducing the need for human oversight.

U·Clean SCRUB 75

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uClean COMPACT

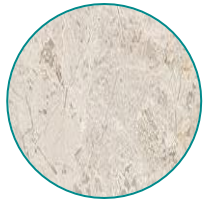
The All-in-One Cleaner

Applicable environments

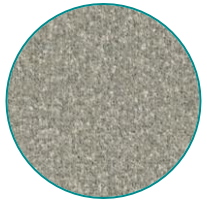
- Retail
- Healthcare
- Education
- Workplace
- Hospitality

Applicable flooring types:

Ceramic Tiles



Natural Stone

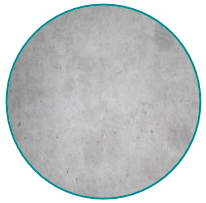


Low Pile Carpet

PVC & Vinyl

Hardwood

Epoxy



Concrete

uClean COMPACT

uCharge 03

u·Clean COMPACT

uClean COMPACT adapts seamlessly to your facility's cleaning needs with its unique 4-in1

Specifications

- **Dimension:** 540(L)*440(W)*617(H) mm | 21.3(L)*17.3(W)*24.3(H) in
- **Practical Productivity:** 350-600 m²/h | 3,767-6,458 ft²/h
- **Cleaning Width:** Scrubbing: 330 mm | 13 in, vacuuming/Sweeping: 410 mm | 16.2 in
- **Max. Runtime:** Scrubbing: 4.5 h, Vacuuming: 4.5 h, Sweeping: 12 h, Dust Mopping: 10 h
- **Charging Time:** ≈ 2 h
- **Max. Moving Speed:** 0.8 m/s | 1.8 mph
- **Min. Passable Height:** 650 mm | 25.6 in
- **Min. Distance from Edge:** 0 mm
- **Gradeability:** 8°
- **Sensing System:** LiDAR, 3D Depth Camera, RGB Camera, Anti-Drop Sensor, Anti-Collision Sensor

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uClean COMPACT : The All-in-One Cleaner

Advantages

4-in-1 Cleaning Modes:
Combines vacuuming, sweeping, scrubbing, and dust mopping for comprehensive cleaning.

Smart Navigation and AI:
Includes LiDAR, 3D depth cameras, and RGB cameras) for precise mapping and obstacle avoidance.

Precision Edge Technology:
Delivers zero-distance precision cleaning along walls and edges.

Sensor Suite:
Includes anti-drop and anti-collision sensors for safe and efficient navigation.

High-Efficiency Battery:
Powered by a durable Lithium Phosphate battery, ensuring extended operation time

Smart Cleaning Algorithms:
Automatically detects and adjusts cleaning intensity based on waste type.

Auto Spot Cleaning:
Identifies and performs spot cleaning where waste is detected, improving overall efficiency.

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uClean VACUUM 40

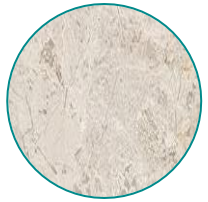
High-Efficiency Vacuum Cleaner

Applicable environments

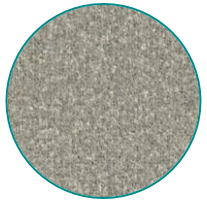
- Retail
- Healthcare
- Manufacturing Facility
- Education
- Offices
- Hospitality
- Transportation

Applicable flooring types:

Ceramic Tiles

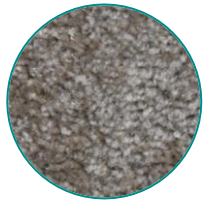


Natural Stone



Low Pile Carpet

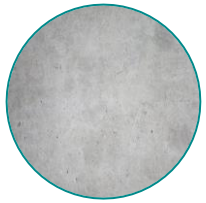
PVC & Vinyl



High Pile Carpet

Hardwood

Epoxy



Concrete

uClean VACUUM 40

uCharge 01

uHarbor 01

u·Clean
VACUUM 40

uClean Vacuum 40 is a high-efficiency floor cleaning robot designed for seamless operation for medium to large sized facilities .

Specifications

- **Dimension:** 800(L)*690(W)*890(H) mm | 31.5(L)*27(W)*35(H) in;
- **Max. Theoretical Productivity:** 1200 m²/h | 12,900 ft²/h
- **Dust Bag:** 12 L | 3 gal
- **Max. Vacuum Pressure:** 24,000 pa
- **Cleaning Width (with side brushes):** 720 mm | 28 in
- **Max. Runtime:** Vacuuming 3 h; Mopping 18 h
- **Charging Time:** ≈ 2 h
- **Max. Moving Speed:** 1m/s | 2.2 mph
- **Gradeability (Auto Driving)**: 8°
- **Sensing System:** LiDAR, 3D Depth Camera, RGB Camera, Anti-drop Sensor, Air Pressure Collision Sensor

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uClean VACCUM 40 : High-Efficiency Cleaner

Advantages

3-in-1 Cleaning and Adaptability:
Integrates vacuuming, sweeping, and dust mopping, functioning on hard surfaces, low pile carpets, and high pile carpets.

24 KPA Powerful Suction and H13 HEPA Filter:
Effortlessly picks up fine dust and debris while providing medical-grade air purification.

Zero Distance from Edge and AI-Powered Navigation:
Cleans along edges using side brushes and high-precision sensors, and navigates efficiently using AI-driven sensors like LiDAR, 3D depth cameras, and RGB cameras.

Smart Auto Charging and Long Battery Life:
Automatically returns to the charging dock, resumes cleaning after recharging, and provides up to 18 hours of mopping time.

Multi-purpose Diffuser Kit:
Optional kit available for humidifying or aroma diffusion.

Autonomous Elevator Navigation:
Capable of autonomously taking elevators for inter-floor cleaning.

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uClean SCRUB 50

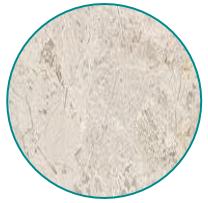
Smart-Scrub Floor Cleaner

Applicable environments

- Retail
- Healthcare
- Education
- Workspaces
- Hospitality
- Transportation
- Manufacturing

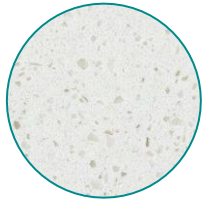
Applicable flooring types:

Ceramic Tiles



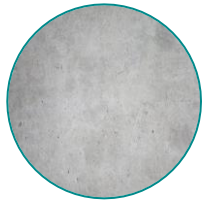
Natural Stone

PVC & Vinyl



Artificial Marble/Granite

Epoxy



Concrete

uClean SCRUB 50

uCharge 01

uHarbor 01

u·Clean
SCRUB 50

uClean Scrub 50 is is an AI-powered robotic scrubber designed to handle a variety of environments, making it ideal for medium to large spaces.

Specifications

- **Dimension:** 810(L) * 700(W) * 1070(H) mm | 31.9(L) * 27.6(W) * 42.1(H) in
- **Practical Productivity (with side brushes):** 500-1,200 m²/h | 5,382-12,917 ft²/h
- **Cleaning Width:** 460 mm | 18.1 in
- **Cleaning/Recovered Water Tank:** 30L / 24L | 7.9 gal / 6.3 gal
- **Max. Runtime:** Scrubbing 3 h; Dust Mopping 8 h
- **Charging Time:** ≈ 2 h
- **Max. Moving Speed:** 1 m/s | 2.2 mph
- **Min. Passable Width:** 900 mm | 35.4 in
- **Gradeability:** 4.6°
- **Sensing System:** LiDAR, 3D Depth Camera, RGB Camera, Anti-Collision Sensor

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uClean SCRUB 50 : Smart-Scrub Floor Cleaner

Advantages

Efficient Power Management: Long-lasting LFP batteries provide up to 8 hours of continuous cleaning, covering up to 1,490 m²/h with real-time environment mapping.

Ergonomic Control & Minimal Human Intervention: Features a user-friendly manual mode and auto-docking station for seamless operation with minimal manual input.

Advanced Navigation: Utilizes LiDAR, 3D Depth Camera, and RGB Camera for precise mapping and smart obstacle avoidance.

3-in-1 Cleaning System: Combines scrubbing, sweeping, and dust mopping for comprehensive floor care.

Auto Spot Cleaning: Detects and efficiently cleans stains, enhancing overall cleaning performance.

5-Stage Filtration System: Reduces water consumption by 80% through sequential filtration of debris, particles, and microorganisms.

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uClean SCRUB 75

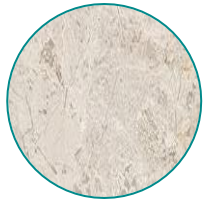
Industrial Degrease Clearer

Applicable environments

- Logistics
- Car Parking
- Manufacturing
- Retail
- Transportation
- Healthcare
- Education

Applicable flooring types:

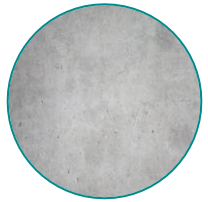
Ceramic Tiles



Natural Stone

PVC & Vinyl

Epoxy



Concrete

PU

uClean SCRUB 75

uHarbor 02

u·Clean
SCRUB 75

UClean Scrub 75 s an industrial-grade floor cleaning robot designed to tackle the most demanding cleaning tasks.

Specifications

- **Dimensions:** 1370(L) × 962(W) × 1417(H) mm | 54(L) × 38(W) × 56(H) in
- **Max. Theoretical Productivity:** 3,000 m²/h | 32,300 ft²/h
- **Cleaning Width:** 750 mm | 29 in
- **Cleaning/Recovered Water Tank:** 75 L / 50 L | 20 gal / 13 gal
- **Runtime:** 4-6 h
- **Charging Time:** ≈ 5 h
- **Max. Moving Speed:** 1.1 m/s | 2.5 mph
- **Min. Passable Width:** 900 mm | 35.4 in
- **Gradeability:** 8°
- **Sensing System:** 3D LiDAR, 2D LiDAR, 3D Depth Camera, Air Pressure Collision Sensor, Millimeter-wave Radars

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uClean SCRUB 75 : Industrial Degrease Clearer

Advantages

Advanced Navigation: Equipped with 3D LiDAR, 2D Laser, and 3D cameras for accurate mapping, navigation, and obstacle avoidance.

Efficient Battery and Charging: Long-lasting LFP batteries provide up to 6 hours of operation, with a full recharge in 5 hours.

Minimal Human Intervention: Supports autonomous operation with an optional self-docking workstation for charging, water refill, and discharge management.

Enhanced Visibility (75P): Advanced lighting system with flashing lights, blue projection lights, and supplementary lighting for safe operation in low-light conditions.

4-in-1 Cleaning: Integrates scrubbing, sweeping, dust mopping, and degreasing, making it versatile for various industrial surfaces.

High Productivity: Achieves a cleaning efficiency of up to 3,000 m^2/h, perfect for large-scale areas.

Precision Oil Stain Removal: Specialized for detecting and eliminating oil stains, ensuring spotless floors in industrial environments.

Ergonomic Manual Control: Features a stand-on pedal and steering wheel for easy manual maneuverability when needed.

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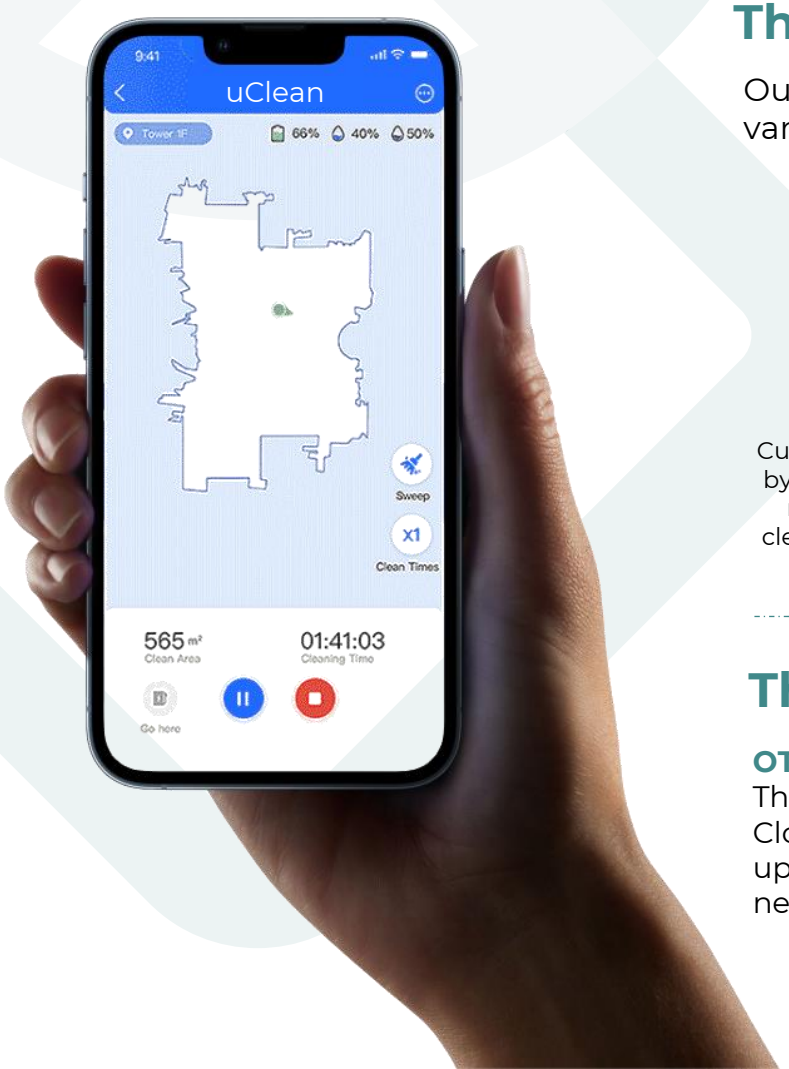
Mobile App and platform

Streamlined Management: Monitor, control, and optimize cleaning robots in real-time from anywhere with a mobile app and cloud platform, boosting efficiency and productivity.



The Mobile App

Our App allows to manage and control the floor cleaning tasks from anywhere, anytime. It includes various features such as:

Map Editing
Customize your floor map by setting virtual walls or no-go zones to avoid cleaning restricted areas.

Remote Control
Start, pause, or stop a cleaning task remotely using your smartphone.

Task Scheduling
Set a task in the app, and the robot will begin cleaning automatically at the scheduled time.

Data Reporting
Access detailed reports on operational metrics and historical statistics, enabling data-driven decisions and optimizations.

The Cloud Platform

OTA Updates
The UClean robot series connects to the Cloud Platform to receive over-the-air updates, offering free and easy access to new features and ongoing innovations.

Remote Maintenance Center
The Remote Maintenance Center provides 24/7 cloud-based diagnostics and troubleshooting for your machine.

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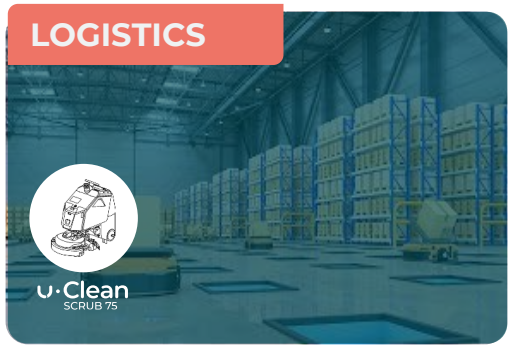
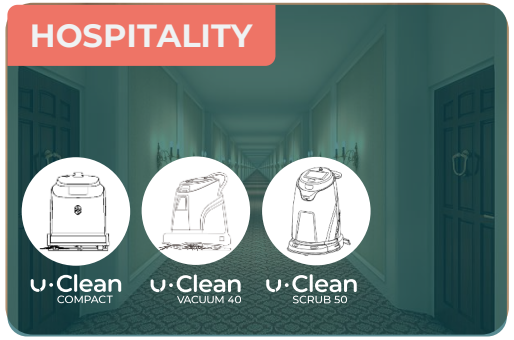
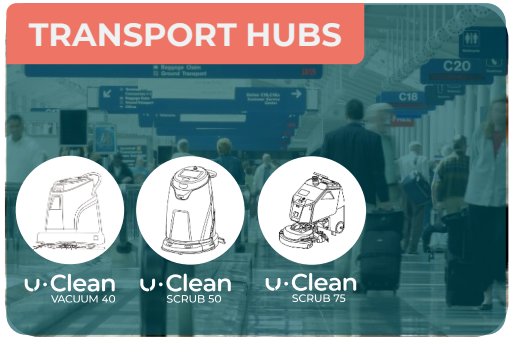
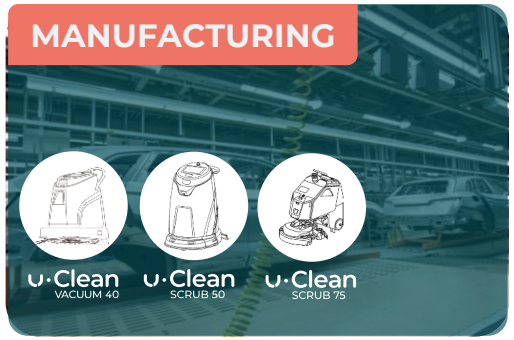
Choose the uClean robots that best suit your environment.









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Thank you