KEMARO
Autonomous Robotics

Cost saving. Increased Safety. Sustainable.

K900

We are backing global logistics and industrial companies by saving them up to 50% of cleaning costs, enabling effortless labour, and providing sustainable cutting-edge robotic solutions.

SWISS
MADE

Autonomous Cleaner

K900: Smart, Eco, RC

With the help of sophisticated algorithms and artificial intelligence, the robot can clean very large industrial areas. You can choose from among KEMARO's cleaning solutions:
K900 Smart, K900 Eco, and K900 RC.

Autonomous Robotics

The sweeping robot orients itself autonomously within a room and cleans areas efficiently around the clock, sensing the environment and avoiding objects and obstacles.

Customer Experience

KEMARO provides proper installation, maintenance and remote servicing, so that customers can "plug and play" their K900 robots. We create cleaning solutions for the peace of mind of end-customers and distributors.

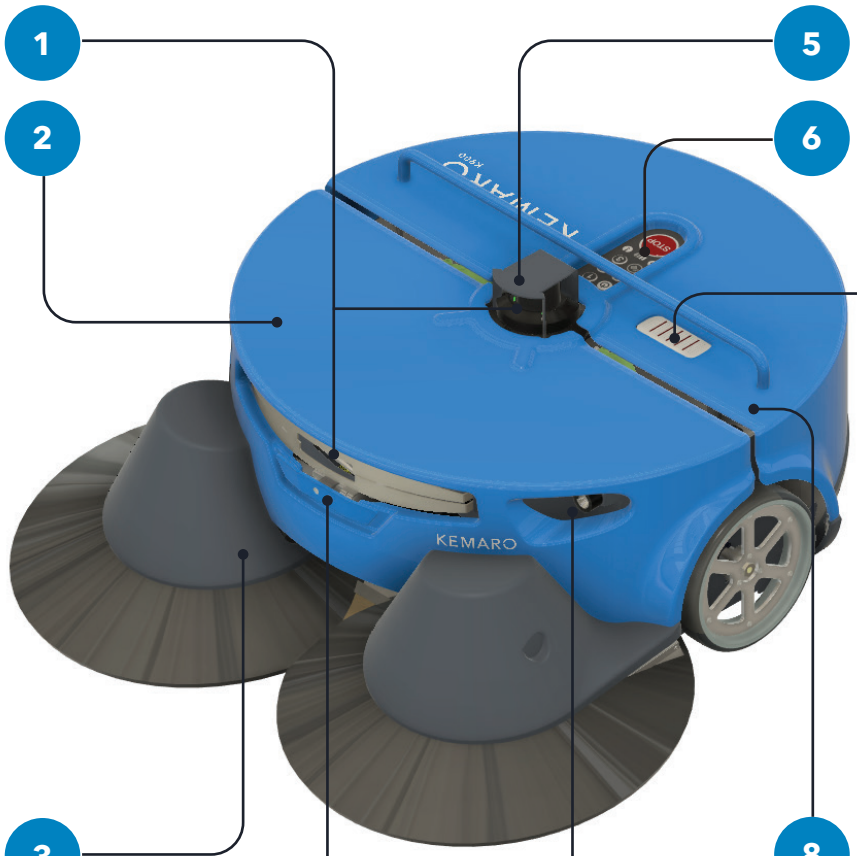
Advanced manufacturing. Swiss engineering and design. World leading technology.

Vision System
2D LiDAR, 3D Sensor

System Connectivity
Wi-Fi Hotspot, LTE

Air cleaner and air flow
Prevent dust on the sensors

Control panel
Easy to use and customizable



Signal light
Programmable light for improved visibility

Cleaning Sweepers
Brushes: extra large cleaning width (90 cm) for better performance

Transport handle
For comfortable manual transportation

Storage Tank
35 l capacity, optional enlargement possible

Flashlight
Programmable warning light for improved visibility

K900 Series	Smart	Eco	RC
Sweeper with manual charger, no laser, no sensors	•	•	•
Two disc brushes and one cylindrical sweeping brush	•	•	•
Remote controller	•	•	•
Lithium-ion battery	•	•	•
Docking station	•	•	
Programmable cleaning times	•	•	
Plug and Play Mode	•	•	
Random and wall follow cleaning modes	•	•	
Flexible area delimitation	•		
Virtual exclusion zone / virtual walls	•		
Programmable cleaning zones	•		
Higher cleaning performance thanks to intelligent cleaning	•		
Upgrade to Robot Smart possible		•	
Kemaro cloud	•	•	

Technical data

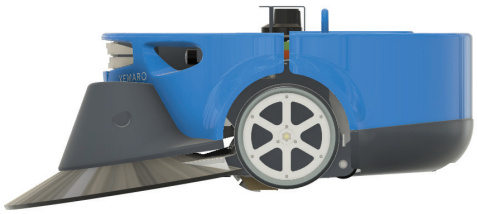
Cleaning width	90 cm
Cleaning capacity	up to 1,000 m²/h
Dirt tank capacity	35 l
Weight incl. batteries	32 kg
Cleaning speed	0.7 m/s
Run time max. (on max- charge)	up to 5 h
Charging time	90 mins
Battery	Lithium-Ion / 36 V
Ramp slope max.	12%
Dimensions L / W / H:	
Smart, Eco	79 x 72 x 35 cm³
RC	79 x 72 x 30 cm³

KEMARO Web App and Cloud

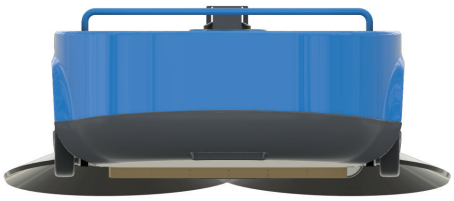
Remote maintenance fast and cost-saving
Automated Software update from remote
Online cleaning report with map (and running time information
Information by Email (status, errors and Robot position)
KEMARO Academy
Intuitive operation on tablets, smartphones an laptops
Individual configuration

Front view

Side view



Back view



Robotics developed in Switzerland

BENEFITS AT A GLANCE

- Saves up to 50% of cleaning costs, which amounts to more than more than 22,000 EUR per year. A significant relief for global businesses.
- Continuous cleaning to benefit the health and safety of employees, while preventing industrial machinery damage.
- Robotics that perceives and interprets its surroundings. Superior navigation and adaptability in various environments, including hazardous zones.
- Enhanced human-machine interaction for live monitoring of job performance, tracking, and reporting on the KEMARO web app and cloud.
- Automated around the clock operations with configurable time settings and flexible scheduling.
- Intelligent navigation with real time automated mapping of cleaning zones, and advanced analytics.
- Advanced engineering avoids the use of engines and minimize wasted energy. The K900 serie is built with robust components to prolong its lifetime.
- Produced and manufactured with the creative power of KEMARO's team.

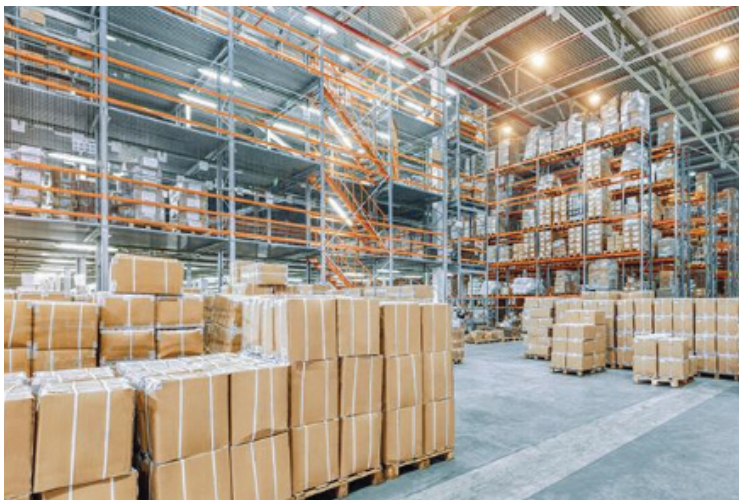
SWISS MADE

Use Cases

FROM CUSTOMER EXPERIENCE

Building intelligence the Swiss way for the global market.

Several hundred robots are already in use throughout Europe and in Japan across a variety of different applications. We look forward to your cleaning challenge.



WAREHOUSES

Cleaning Coverage

The K900 is designed for cleaning large areas. Accordingly, it is optimised for use in warehouses, where it cleans more frequently, more cheaply and more safely than manual machines. Due to its low height, the cleaning robot also cleans under warehouse racks where manual cleaning is otherwise difficult.

Shelf storage

The K900 is the only autonomous cleaning solution on the market for storage and retrieval systems. Its low weight ensures it has no problems with weight restrictions on floors and it has a highly developed navigation algorithm. It can cover areas of up to 10,000 m². Areas up to 50,000 m² are possible using multiple docking stations.

Automatic high-bay warehouses

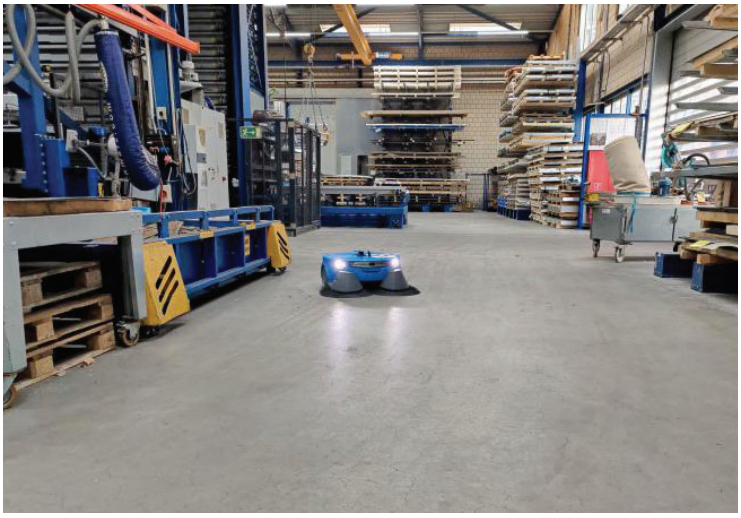
Its low height allows it to clean underneath the racks. With intelligent navigation and a smart airflow, it operates even in dusty environments.

Success Statements

"There is a noticeable difference! Ever since we began using the K900 we have been able to keep manual cleaning to a minimum."

Coop distribution centre Bern, Team leader picking

PRODUCTION FACILITIES



Employee and machine safety

Machinery, materials, or packaging produce fine and coarse dirt. This reduces the lifespan of your machines, endangers the health of employees and in the worst case, ends up on your customers. With intelligent cleaning solutions you can minimize these risks.

Woodwork

Whether it's a joinery, carpentry, or a large sawmill: the amount of small waste in the woodworking trade is enormous. With the K900, workshops achieve a new standard of cleanliness. Its air filter and flow improves air quality.

Sheet metal fabricators

The K900 also cleans close to racks and in niches. Especially in production plants, a lot of very fine dirt accumulates there. Our customers attest that the K900 has great cleaning qualities and reduces dust accumulation on equipment and shelves.

Biogas plant

Biomass in the form of waste wood is converted into biological vegetable carbon. The resulting gas is converted into renewable energy and the green electricity produced is fed into the power grid. These plants should always be clean, and the K900 is the solution here too.

HAZARDOUS AREAS

Increased safety for employees

Our robot is ideal in places where it is very dangerous for humans.

Nuclear waste storage

Our K900 is now a sought-after cleaning aid in nuclear waste storage facilities. It is ideal in locations where spent fuel elements and vitrified high-level radioactive waste are stored. And is also perfect in halls with long-lived, medium-level radioactive waste.

High-security tracts

People remain people. There are areas that are preferably cleaned by a machine due to safety concerns. Our K900 is your reliable and honest partner here.

Dangerous goods

Our K900 is always used where substances are stored that have hazardous properties for humans, animals, and the environment. Strict regulations apply to workers in these areas, and the K900 does its job reliably and quickly.

Success Statements

ZWILAG

"With the K900, we found a cleaning solution with which we could further minimize the radiation exposure to our employees."

Radiation Protection Technician, Interim Storage Würenlingen AG

Charging Station

SPECIAL APPLICATIONS

Unlimited use

The K900 is designed to clean larger indoor spaces, beyond that there are almost no limits.

Filling plant

- Compact and robust design.
- Maneuverable navigation through narrow gaps under the flat conveyor belt.
- Leads to clean surfaces.
- No interruption of production for cleaning.
- Reduction of dangerous glass splinters.

Railway depots

- Even cleans the hard-to-reach maintenance pits in tram depots.
- Quickly removes all kinds of dust and dirt.
- Maneuverable navigation through tight spaces.

Success Statements

SCHERMGRUPPE

"Since we started using the robot we have noticed that our halls are always clean. There is no longer a need for cleaning before audits."

SCHERM Group Borken DE, Warehouse Manager

About KEMARO

STORY

Founded in 2016 in Eschlikon, Switzerland by the Swiss engineers Martin Gadient, Armin Koller and Thomas Oberholzer. Today with over 40 employees KEMARO is expanding worldwide with the K900 autonomous robots series.
The founders developed the entire solution, from design, mechanics, electronics, and AI software, bringing to the market a unique solution, with a sophisticated cleaning robot.

The range of applications and possibilities are diverse and excellently suited for production and logistics halls. The K900 robot cleans along or below production lines, walls and can detect and pick up coarse dirt and objects. Thanks to its autonomous driving mode - based on Artificial Intelligence, Lidar and 3D sensor – it is time saving and current users are already saving up to 50 % of their cleaning costs.

KEMARO AG has achieved several milestones in its history. In 2022, it won the Swiss Logistics Award. The company has brought on distribution partners worldwide, including Obayashi Corporation, one of Japan's largest construction companies, which joined as an investor in November 2022.

VISION

KEMARO is the global leading robotics producer for autonomous industrial cleaning and convinces with innovation, quality, customer benefits and sustainability.

MISSION

Our world-leading technology in autonomous robotics enables large industrial areas to be cleaned fully autonomously, cost-efficiently and sustainably.

2016 — **CREATION OF KEMARO**

2018 — **K800**
Market validation

2020 — **MARKET ENTRY**
K900 Series production

100 robots at customers in use

2022 — **EXPANSION**
EU | Japan

2024 — **EXPANSION**
EU | Japan | USA

KEMARO
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