

# KEMARO

Autonomous Robotics

## K900 Gen II



Autonomous robots remove dust and dirt even in hard-to-reach industrial areas.

### CUTTING-EDGE

- ◆ The K900 is equipped with Lidar, 3D sensors, and intelligent navigation systems that enable it to scan, interpret, and adapt to its environment with high precision.
- ◆ The intelligent navigation adapts seamlessly to different environments - including restricted zones, dynamic surroundings, and even dusty conditions

### EFFICIENT

- ◆ Automated round-the-clock operation with configurable time settings and flexible scheduling
- ◆ Intelligent navigation with automatic live mapping of cleaning zones and advanced analyses.

### INDUSTRIE 4.0

- ◆ Real-time monitoring of work performance, tracking and reporting via the KEMARO web app and cloud platforms.



← Experience the benefits of the K900 Gen II.



#### CLEANING PERFORMANCE

up to 1000 m<sup>2</sup>/h  
up to 0.7 m/s



#### SIMPLICITY

No installation necessary,  
put into place and clean



#### ROBUSTNESS

Solid construction and  
Swiss quality components



#### SUSTAINABLE

No chemicals, water or lighting needed, substitution of combustion engines

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MADE



### ◆ Cost savings

Saves up to 50% of cleaning costs per year, which means more than EUR 22,000 for global companies. A considerable financial relief.

### ◆ Health and safety

Continuous cleaning promotes health and safety of employees and prevents damage to industrial machinery.

### ◆ Environmental friendliness

The advanced technology of the K900 reduces the use of combustion engines in companies and minimises the consumption of resources. The K900 is equipped with robust components that guarantee a long service life.

### ◆ Areas of application

The K900 is used in warehouses, manufactories, bottling plants, railway stations, hazardous materials storage facilities, car parks, production areas and industrial and logistics sites.



## TECHNICAL DATA

Cleaning width	90 cm
Cleaning capacity	up to 1.000 m <sup>2</sup> /h
Dirt tank capacity	35 l
Weight incl. batteries	32 kg
Cleaning speed	0,7 m/s
Run time max.	up to 4 h
Charging time	90 mins
Battery	Lithium Ionen / 36 V
Ramp slope max.	12%
Dimensions L / W / H:	79 x 72 x 35 cm <sup>3</sup>

## NEW FEATURES

- ◆ **Connected rooms:** Robots can move autonomously between different rooms, increasing flexibility in large or diverse spaces.
- ◆ **The BlueSpot:** Enhances workplace safety by using a blue light to alert employees and forklift drivers to the robot's movements – even in areas with limited visibility or beneath conveyor systems.
- ◆ **Automatic Filter Cleaner:** The patented, self-cleaning filter system significantly reduces dust levels and saves water and chemicals by eliminating the need for wet cleaning.
  - greater efficiency
  - improved air quality
  - reduced maintenance

### Autonomous Navigation

The K900 relies on onboard sensors, mapping, localization, and decision-making algorithms to plan paths, avoid obstacles, and clean zones efficiently and independently.

### Live Mapping & Localization

The robot simultaneously creates a map of its environment and estimate its spatial position within this map.

### Vision System

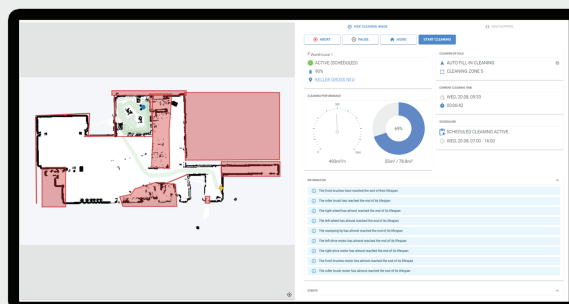
A vigilant 2D LiDAR 'crown' calculates distances in a 270-degree radius, and 3D camera fills in the lower blind spots.

### Air cleaner and air flow

A blower puts the robot under negative pressure, creating an air flow. The dust is sucked in by the air flow and passed through the air filter (2m<sup>2</sup> size).

## WEB APP & CLOUD SPHERE

- ◆ Remote maintenance fast and cost-saving
- ◆ Automated software update from remote
- ◆ Digital cleaning reports with interactive maps
- ◆ Status, errors and Robot position
- ◆ KEMARO Knowledge Hub
- ◆ Intuitive operation on tablets, smartphones or laptops
- ◆ Individual configuration



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