



X1000



Professional robot vacuum cleaner for commercial areas



# ABOUT ZACO

**We are ZACO.** Since 2015, we have been developing and distributing cleaning robotics for households and businesses across Europe from the heart of the Ruhr area in Gelsenkirchen.

**ZACO TECHNOLOGY Corp.**, the US branch of ZACO, extends our reach beyond Europe, bringing our innovative solutions to North America as we continue to grow globally.

The **ZACO** brand stands for modern vacuuming and mopping robots that are stylish, affordable, and efficient. With multiple years of experience in household cleaning robotics, we are now taking the next logical step: developing innovative professional cleaning robots for commercial areas. Artificial intelligence has already been making its way into our everyday lives and work environments for several years – so why not in commercial cleaning too? Just as we innovate in our

products, we also continuously develop as a company, leveraging our expertise in domestic cleaning robotics.

Our professional cleaning robots combine powerful suction and precise navigation to handle large spaces efficiently. We prioritize efficient technology, as well as outstanding service and customer care. A qualified team of creative and committed employees based in Gelsenkirchen is dedicated to providing you with competent support before and after your purchase.

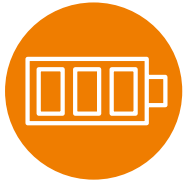
With **ZACO**, you have a strong partner who treats your brand as if it were our own, supporting its sustainable growth. This is our vision of a successful partnership.

# EVERYTHING AT A GLANCE



## Area performance

Max. area performance 2,690 sq.ft./h and up to approx. 10,760 sq.ft. in one cleaning cycle



## Runtime

Long battery life up to 6 hours



## 20,000 Pa suction power

Powerful suction power for optimal cleaning



## Plug & Play

The X1000 is ready to use immediately



## Mapping & Navigation

Autonomous mapping and navigation through the use of:

LiDAR & ultrasonic sensors

Dual stereo cameras

Cross line laser & ToF sensors



## Simple control

Control via touch display & app



### **Dustbin**

Dustbin capacity of 3 L



### **Noise level**

Quiet cleaning at 62 dB



### **Incline**

Overcomes edges up to 1 inch



### **Areas of application**

Office buildings  
Restaurants and hotels  
Healthcare  
Public buildings / schools



## Assembly

# PLUG & PLAY

Easy start – Once the charging station is installed and the X1000 is sufficiently charged, a map of the cleaning area can be created: after only a few minutes, the X1000 is ready for use.





## Operation

# USER-FRIENDLY & QUICKLY READY FOR USE

With the X1000, the focus is on the user. Operation is simple and intuitive, either directly on the device or via an app. The 5-inch touchscreen allows direct operation on the device, even if the app is not at hand. The X1000 can be set up and used without an internet connection. All functions of the App are already on board. Create cleaning schedules for the created maps and thus adapt the cleaning cycles optimally to your requirements.



Area performance

## FAST AND MANOEUVRABLE

Depending on the environment, the X1000 cleans up to 2,690 sq.ft./h per hour, covering areas of 7,535 sq.ft.-10,760 sq.ft. in one cleaning cycle. Ideally suited for large areas and any flooring type, the X1000 cleans quickly and reliably. And that even with a suction power of up to 20,000 Pa.

2,690 sq.ft./h

10,760 sq.ft.\*

\* in one cleaning cycle



## Navigation

# OBSTACLES? NO PROBLEM!

Precise navigation is achieved by means of highly innovative cross-line laser, LDS and ToF sensor technology. The map creation is done fully automatically by the X1000. The AI also works out the optimal cleaning paths. During cleaning, the front camera is also used to detect objects such as shoes and parcels and avoids them precisely and navigates smoothly in any environment.





### Structure

## COMPACT & PRACTICAL

Thanks to its compact design and outstanding navigation capabilities, the X1000 cleans large areas with ease. Obstacles that complicate conventional cleaning are overcome by the X1000 using real-time 2D and 3D mapping. Due to its compact design, with a working width of 37 cm, it is ideally suited for narrow environments such as corridors or offices.

Cleanliness

# INCONSPICUOUSLY CLEAN

The X1000 blends inconspicuously into any environment and always ensures a clean environment without interfering with its working area. In addition, its efficient HEPA13 filter removes pollen and other allergens from the exhaust air, providing additional comfort for allergy sufferers and asthmatics.





Module

# MODULAR DESIGN FOR OPTIMAL USABILITY

The X1000 is adaptable to any type of cleaning thanks to its roller brush extraction and optional direct extraction (module included). Due to its modular design, only a few simple steps are required to change the cleaning modules.



Suction power

# 20,000 PA SUCTION POWER

With 20,000 Pa suction power, the X1000 is an exceptionally powerful vacuum cleaner. The X1000 also picks up coarser dirt with ease.



Modules

# EXCHANGEABLE VACUUM MODULES

2 interchangeable modules allow optimal adaptation to any environment. The direct suction is best suited for carpeted floors. We recommend the roller brush module for all hard floors.



## Dustbin

# THE DUSTBIN

The X1000 is particularly user-friendly and easy to operate. Emptying the 3-litre dustbin is also child's play and enables clean disposal of dirt and dust.





## System

# Cyclone separator

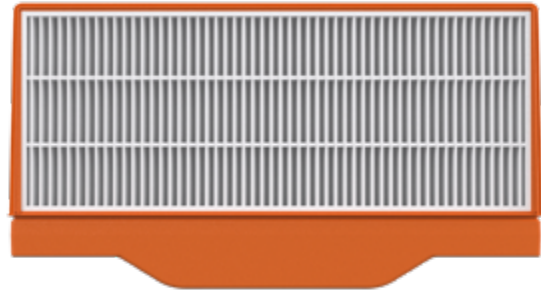
The X1000 is equipped with a 2-stage cyclone separation system that separates dust and coarse dirt. This ensures that the dust and coarse dirt end up in the dustbin.

The polluted air is passed through the HEPA13 filter so that only the clean exhaust air is discharged to the outside.

## Filter

# HEPA13 filter

The HEPA13 filter removes up to 99.95% of all airborne particles. This means that pollen and fine dust particles are filtered out of the air, which is particularly beneficial for allergy sufferers and asthmatics. The filter of the X1000 is washable and can thus be cleaned regularly to keep its filter performance at the optimal level. The X1000 signals when the air filter is used up and should be replaced.







### Battery

## 2 POWERFUL BATTERIES

### Two Li-ion batteries

The batteries can work separately. This allows for an efficient and sustainable way of working and a cleaning time of up to 6 hours.

When the batteries of the X1000 are empty, the ZACO returns to its charging station independently. As soon as the batteries are sufficiently charged, it continues cleaning automatically.

### 10,400 mAh battery capacity

The powerful BYD batteries with a total capacity of 5,200 mAh enable a long cleaning time.

## Technology

# MAPPING

### **LiDAR**

The LDS system scans the environment and creates a precise map of the entire cleaning area.

3D maps are created in real time using light waves through a photo sensor.

### **Dual stereo cameras**

The front camera detects objects and draws them on the map (visible only in the app), furthermore, these objects are precisely bypassed.

### **Cross line laser**

The cross line laser supports the ultrasonic sensor technology (ToF) by providing even more precise distance measurements to avoid collisions. The additional lateral ultrasonic sensors ensure edge-to-edge cleaning along walls or furniture.





### **ToF Sensors**

The ToF sensors detect obstacles and prevents collisions.

### **Infrared sensor**

With the help of infrared light, depth information of objects is used for object detection.

By emitting an infrared light pulse, the distances of objects to the robot are measured. This improves the ability to avoid obstacles and completely reduces the risk of falling, e.g. on stairs.

## Touchpanel

# 5-INCH TOUCH PANEL

Almost all app functions are available via the touch display even without an internet connection. This means that the X1000 is also ready for use offline and can be used anywhere.



## Display

# THE CONTROL PANEL

The X1000 can be operated practically via the 5-inch touch panel. The control panel can be locked by individual PIN to prevent unauthorised operation. This ensures a smooth cleaning cycle.

## Operation

# VIA APP

The X1000 is also easily controllable via its app. Various functions allow for easy and scheduled cleanings.

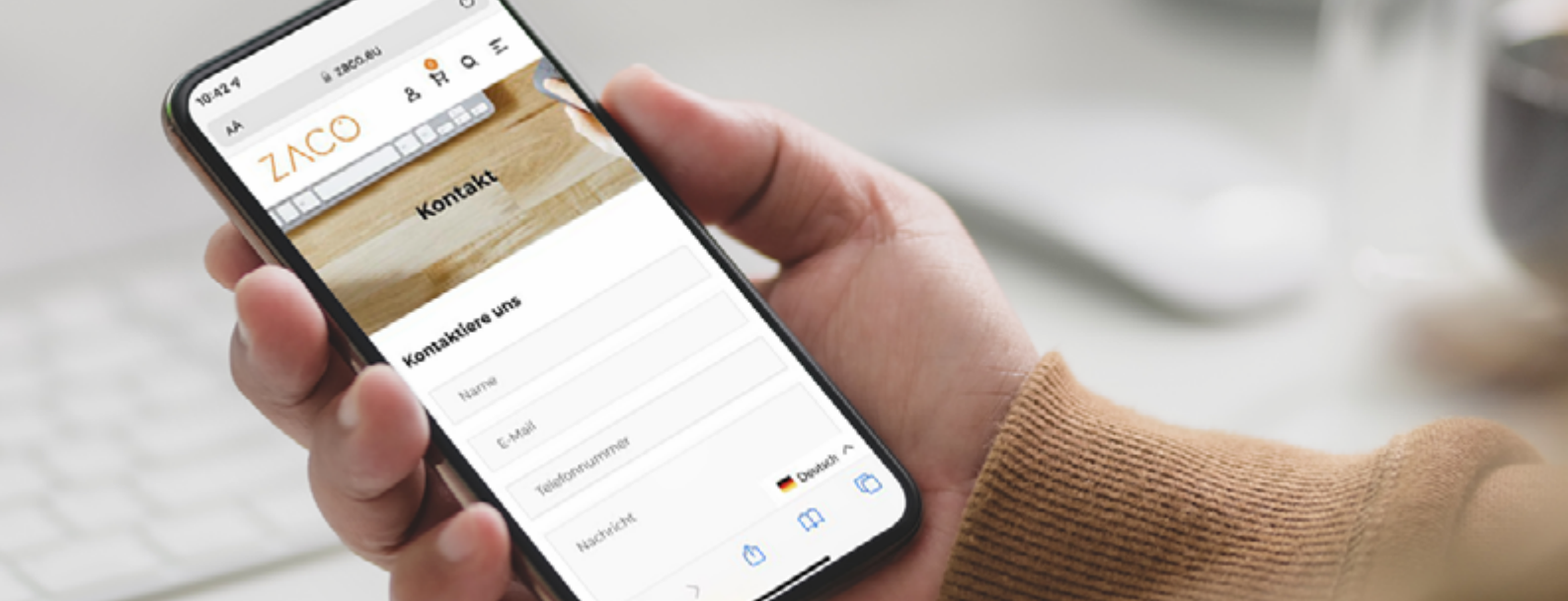
### FEATURES

- Multi-floor-Mapping
- Customized cleaning areas
- No-go areas
- Cleaning schedules
- Display detected objects on the map

### STAY UP TO DATE

We are continuously improving the functions of the X1000 and provide our customers with regular, free updates.

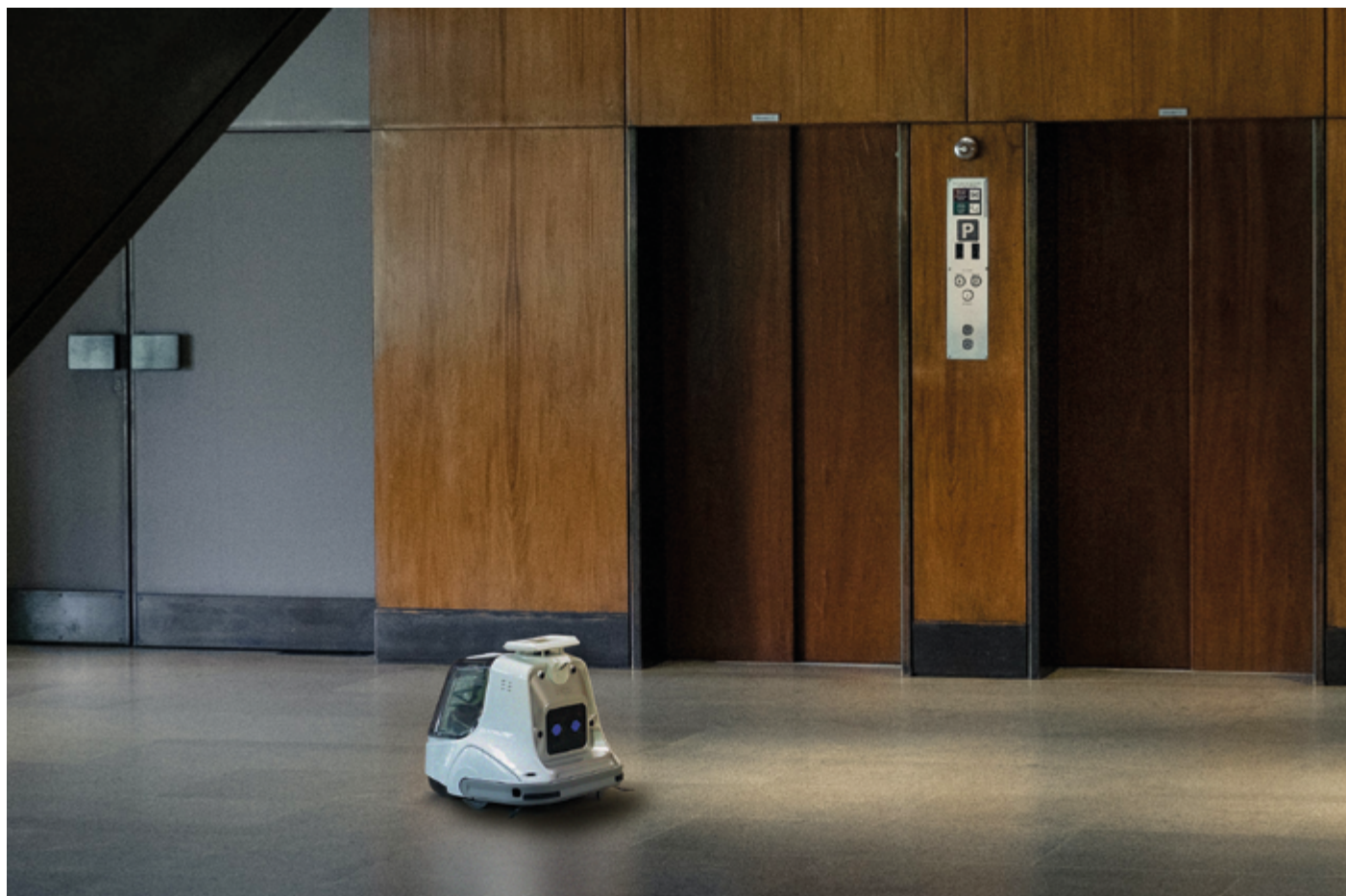




## Service

# SUPPORT FROM OUR EXCELLENT PARTNER NETWORK

Competent & fast support so that you have as little to worry about as possible. All thanks to our excellent partner network throughout the country.



**ZACO TECHNOLOGY CORP.**

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