

ZACO

X1000



Professional robot vacuum cleaner for commercial areas



Foreword

ABOUT ZACO

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

The **ZACO** brand stands for modern vacuuming and mopping robots that are stylish, affordable and work well. With multiple years of experience in robotics for household cleaning, we are now taking the next logical step: the development of innovative professional cleaning robots for commercial areas. Artificial intelligence has already been making its way into our everyday lives and our working world for several years – why not into commercial cleaning too? Just like our products, we are also constantly developing as a company and are now putting our experience in domestic cleaning robotics to use.

We are also developing professional cleaning robots with powerful suction and precise navigation for large areas. We not only attach great importance to efficient robots but also to good service and customer orientation. For this reason, we have a qualified team of creative and committed employees on site in Gelsenkirchen who will provide you with competent advice and support before and after your purchase.

In **ZACO** you have a strong partner at your side who will look after your brand as if it were his own and develop it sustainably. That is our idea of a successful cooperation.

EVERYTHING AT A GLANCE



Area performance

Max. area performance 250 m²/h



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 3l



Noise level

Quiet cleaning at 62 dB



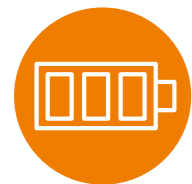
Incline

Overcomes edges of up to 25 mm



Areas of application

Office buildings
Restaurants and hotels
Healthcare
Public buildings / schools



Runtime

Long battery life up to 6 hours



20,000 Pa suction power

Powerful suction power for optimal cleaning



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 250 m² per hour, covering areas of 700 m² - 1,000 m² 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.

250 m²/h

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.





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.



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.



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

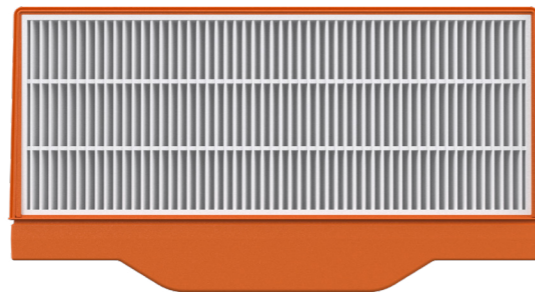
Cyclone separator

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 5200 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 prevent 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.

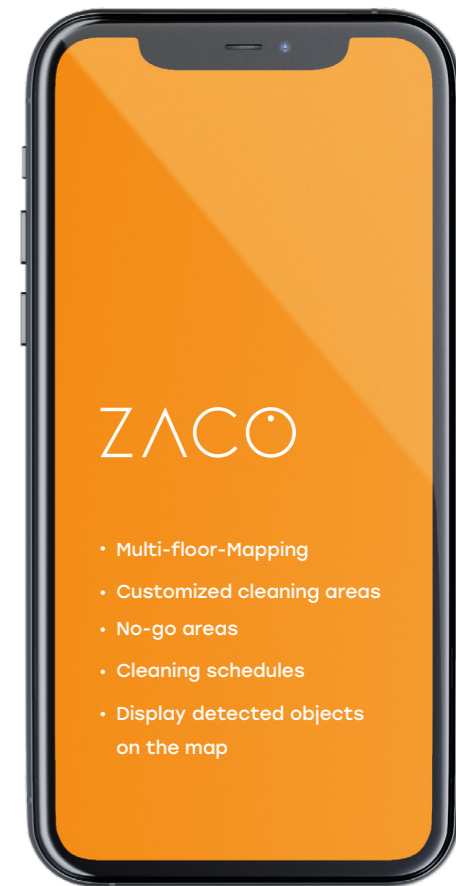
Operation

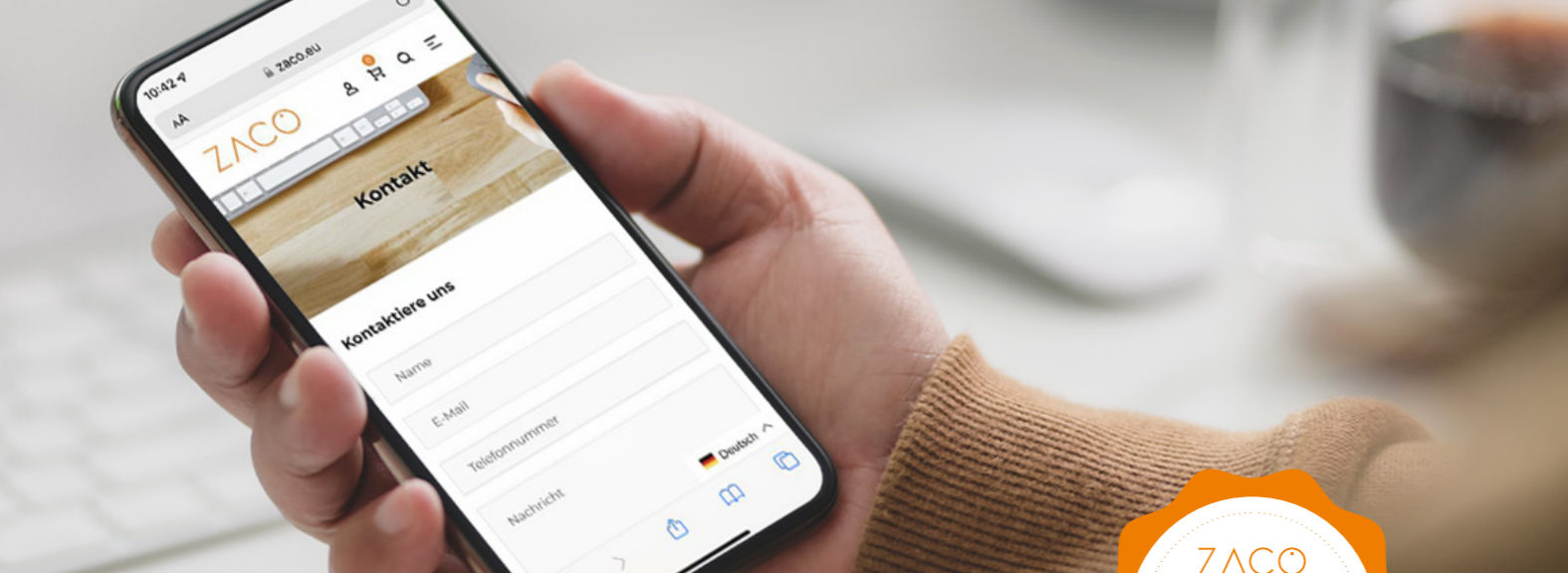
VIA APP

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

STAY UP TO DATE

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





Service

SUPPORT BASED IN GERMANY

Competent & fast support, so you can worry about as little as possible. With our customer support and 24-month manufacturer's warranty you will always have a carefree feeling with your new cleaning robot. We guarantee your cleaning: Should your X1000 have a defect, you will receive a replacement model without any complications. Spare parts and accessories are quickly and easily delivered directly to you.

**Warranty conditions according to terms and conditions.*



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