KÄRCHER

BIGJOBS. SMART SOLUTION

Autonomous and fully autonomous solutions for floor cleaning. **karcher.com**



From industrial companies to building service contractors: these days, anyone tasked with the regular cleaning of large areas is confronted with ever increasing cost pressure and a severe skills shortage. With the KIRA B 200 autonomous scrubber dryer, Kärcher provides a cost-effective and productive solution to tackle these challenges effectively.



ONE TASK, TWO SOLUTIONS.

Whether with a disc brush or roller brush: the KIRA B 200 will impress with high area performance, efficient operation, intuitive control and maximum flexibility.



Roller brush head

- Pre-sweeping and scrubbing in a single step
- Side brush for cleaning right up to the edge
- Keeps manual preparatory work and rework to a minimum
- Excellent cleaning performance, even on textured and uneven floors



KIRA BR 200

Time-saving roller brush engineering with side brush enables pre-sweeping and scrubbing in a single step and right up to the edge – particularly suited to textured floors.

- Productivity as standard

- Can also be used as a ride-on scrubber dryer
- Large working width and high driving speed
- 200-litre tank and four-hour runtime
- Theoretical area performance KIRA BR 200: 4,590 m²/h KIRA BD 200: 4,860 m²/h

Multisensor system

- Powerful sensor technology
- 360° all-round visibility
- Detection of overhangs and glass
- Sensor monitoring of side areas



Disc brush head

- Ideal for cleaning smooth and delicate floors
- Diamond and melamine pads can be used
- Particularly quiet operation
- Longer service life of the brushes



KIRA BD 200

Proven, powerful cleaning thanks to disc brush engineering with wide range of different brushes and pads – particularly suited to delicate, smooth and shiny surfaces.



For more information about the different brush heads, see page 22.

WHAT MAKES OUR ROBOTS SO SPECIAL

Smart ideas, sophisticated technology, versatile functionality – the proven and further developed Kärcher technology of the KIRA B 50 will enable you to handle more extensive cleaning applications! The KIRA B 200 is equipped to meet any challenge thanks to its machine size and the quadruple water tank volume, for example.



Extensive standard equipment

- High-performance lithium-ion battery
- Economical DOSE detergent dosing system
- Time-saving auto-fill function and automatic dirty water tank rinsing
- Speed-responsive water dosing
- Flashing beacon to increase safety
- Innovative LED light modules
- Calendar function for clear planning and autonomous execution of cleaning tasks



Connectivity

- Instant access with the KIRA equipment manager and KIRA Robots App
- Sending of notifications and status messages to mobile devices
- Integration in infrastructure with the support of the VDA-50/50 standard or via I/O Box for roller door control



Obstacle guide

- Reliably recognises unknown obstacles
- Independent planning of alternative routes
- Autonomous free travel manoeuvres, as required



Safety certifications

- Safe, contactless detection of obstacles, the potential for falls and people
- Safety-certified in accordance with IEC 60335-2-72:2021 and IEC 63327:2021
- Suitable for operation in public areas



Operation

- Intuitive control via large touch display
- Simple user guidance through graphical user interface
- Can be configured and operated without expert knowledge
- Extensive "How-to" animations available on the display, such as for maintenance work



Operating modes

- Can be operated autonomously or manually
- Enables manual spot cleaning
- Allows several user profiles to be set with individual levels of authorisation

ECONOMICAL EFFICIENCY

With far more than 4,500 square metres of cleaning performance per hour, the autonomous scrubber dryer effortlessly achieves area performance of a comparable, purely manually operated machine.



Both KIRA B 200 models are operated by four long-lasting lithium-ion batteries with a capacity of 80 Ah each, enabling continuous operation for up to four hours. An optional fifth battery can be added if required, in order to further increase the operating time. In addition, thanks to the 200-litre tank for fresh and dirty water as well as working widths of 850 or 900 centimetres, both models are especially ideal for cleaning large, wide areas. Airports, train stations, logistics warehouses, production and manufacturing halls, trade fair, congress and concert halls – there is a long list of places where the scrubber dryer robot can be used.

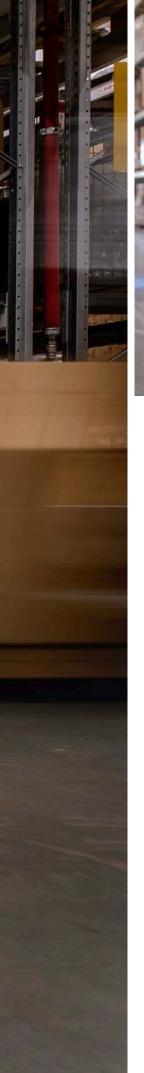
The crucial issue of resource conservation is even more important when cleaning large areas due to the automatically comparatively higher demand for detergent and fresh water. That's why the KIRA B 200 raises the bar for the cleaning fleet in terms of speed, with its precisely pre-configurable driving speed, water volume and detergent dosing unit. As a result, the machine not only ensures consistently excellent cleaning results within a pre-planned timeframe, but also saves valuable resources and thus hard cash.







RELIEVE PRES-SURE ON TEAMS. INCREASE PRODUCTIVITY.





In terms of efficiency and quality, regular cleaning of large floor surfaces is a big challenge for all those involved.

It's no secret that machine-based or even manual floor cleaning is extremely time-consuming, labour-intensive and expensive, and therefore, unfortunately, not very economical in many cases.

This is precisely where our autonomous scrubber dryer comes into play, offering an economically viable alternative. It cleans floors automatically, without any loss of quality, reliably and and, if desired, fully autonomously. The KIRA B 200 therefore relieves the pressure of monotonous floor cleaning from

cleaning teams, while also enabling them to take on significantly more complex, higherquality cleaning tasks that correspond to their level of qualification.

Man and machine, hand in hand:

this simple formula helps to significantly increase productivity, facilitating much higher profitability from floor cleaning than was possible before. At the same time, employee satisfaction is increased and, as a result, staff turnover and expenses for staff acquisition are reduced.

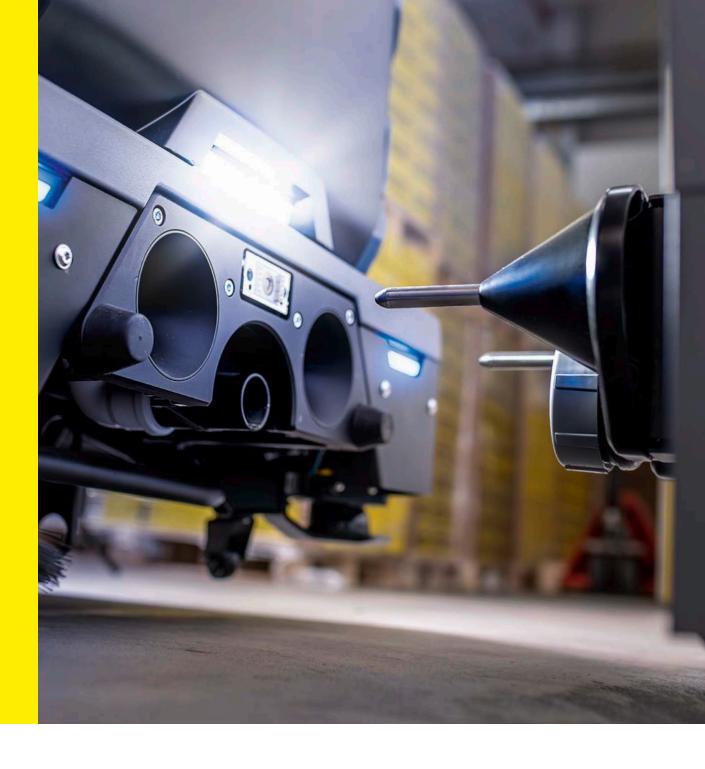
SURPASSING ITSELF

While the KIRA B 200 already knows how to impress when it comes to autonomous operation, it literally surpasses itself in combination with the optional docking station.



Best cleaning performance, simple operation, easy maintenance, convenient web-based services: in everyday corporate life, Kärcher's autonomous cleaning robot has many impressive benefits to offer. Once the initial configuration is complete, users only need to do the basics, such as filling the fresh water tank, emptying the dirty water tank and of course charging the battery.

With the optional docking station, even these tasks are covered – the self-cleaning robot becomes a fully autonomous machine that replaces its resources entirely independently. In addition to the docking station itself, only a fresh water connection and a power supply at the required location are required, and also ideally a floor drain.



Everything else is done fully automatically in accordance with the user's requirements – the KIRA B 200 independently travels to the docking station as planned, fills up with fresh water, rinses and empties the dirty water tank, charges the powerful lithium-ion batteries and continues cleaning with a different route.

OPERATION MADE EASY

Simple, well thought out, user-friendly – the KIRA B 200 boasts a large and multi-lingual touch display with graphical user guidance.



Many companies are daunted by investment in highly complex machines, as they fear damage or time lost due to operating errors. This worry is unjustified. Anyone who can use a smartphone will also be able to use the KIRA B 200 with ease – there's no need for any expert knowledge or other expertise. Promise!

The operating concept is based on intuitive menu and user guidance, which is supported by clear instructions and understandable illustrations. From setting up the machine for the intended cleaning task, to starting autonomous cleaning and activating cleaning

units, through to using manual cleaning mode, the display only ever displays the buttons that are required for the current task.

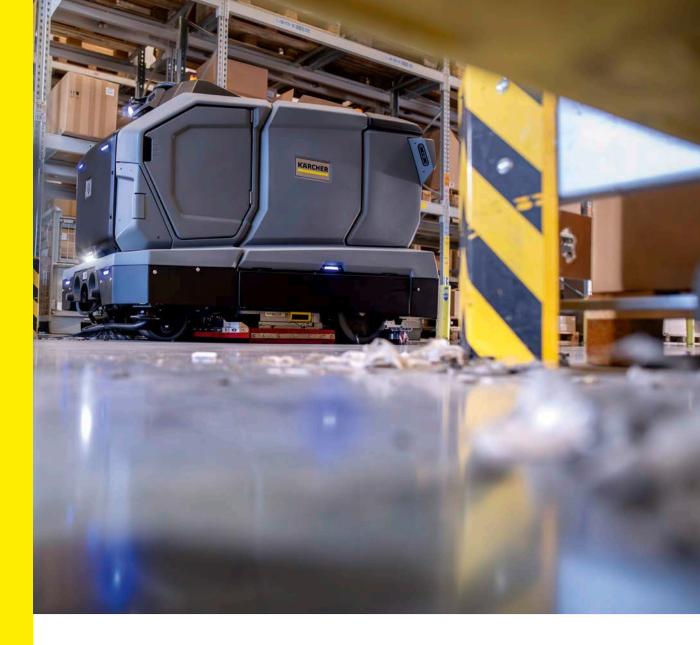
The sensor-detected environment is visualised by a map – ideal for checking whether the cleaning robot is detecting its environment correctly, or to determine its exact location.

For absolute safety, it is also possible to assign different user profiles to different users with different authorisations. This virtually excludes the possibility of misadjustments and operating errors by unauthorised persons.



MAXIMUM FLEXIBILITY, DAY IN, DAY OUT.

The daily changing challenges of everyday work don't adhere to rigid cleaning plans. Flexible operational readiness is therefore indispensable for successful housekeeping.



Whether in airports or logistics halls, in public buildings or multi-storey car parks: external conditions often change at short notice, resulting in the need for adjustments to the cleaning plan or cleaning sequences – whether due to increased demand as a result of wet weather, inaccessibility of areas to be cleaned or any number of other reasons.

Maximum flexibility is therefore a basic requirement to be able to perform cleaning tasks against all odds while still working productively and economically. With the intelligent concept of the KIRA B 200, this daily flexibility is possible as required. The calendar function enables advance planning of clean-

ing tasks as well as adaptation of these tasks if conditions change at short notice. The KIRA B 200 then automatically starts cleaning at the desired time.

The machine can be used for complete areas as well as for partial areas. It cleans flexibly both autonomously and, in conjunction with the docking station, fully autonomously and can also be used as a traditional, manual ride-on scrubber dryer.









SAFETY IS PARAMOUNT. ALWAYS.

Optimal navigation enables more than just efficient cleaning applications. It also guarantees the safety of people in the vicinity.



The KIRA B 200 autonomous scrubber dryer is safety-certified for use in public areas in accordance with IEC 60335-2-72:2021 and IEC 63327:2021. It sounds so factual, but in reality it is the result of a fascinating interaction between state-of-the-art 3D sensor technology, extensive laser scanners and, of course, a very powerful on-board computer. Together, they guarantee optimal 360° environment detection, quick reactions and absolutely reliable navigation, even under difficult conditions.

Changes in the environment are reliably detected and, if necessary, evasive manoeuvres can be initiated independently. And even in problematic situations, such as at dead ends,

the cleaning robot uses intelligent recovery mechanisms to find its own navigation solutions

An integrated lighting concept also reliably and safely informs people in the vicinity about the machine's behaviour and changes of driving direction. This well thought out concept can also be extended with two blue spotlights to draw attention to the approaching cleaning robot at junctions in high-bay warehouses or production halls. An additional bright working light and a flashing beacon are also installed as standard.

ONE CLICK. EVERYTHING IN SIGHT.

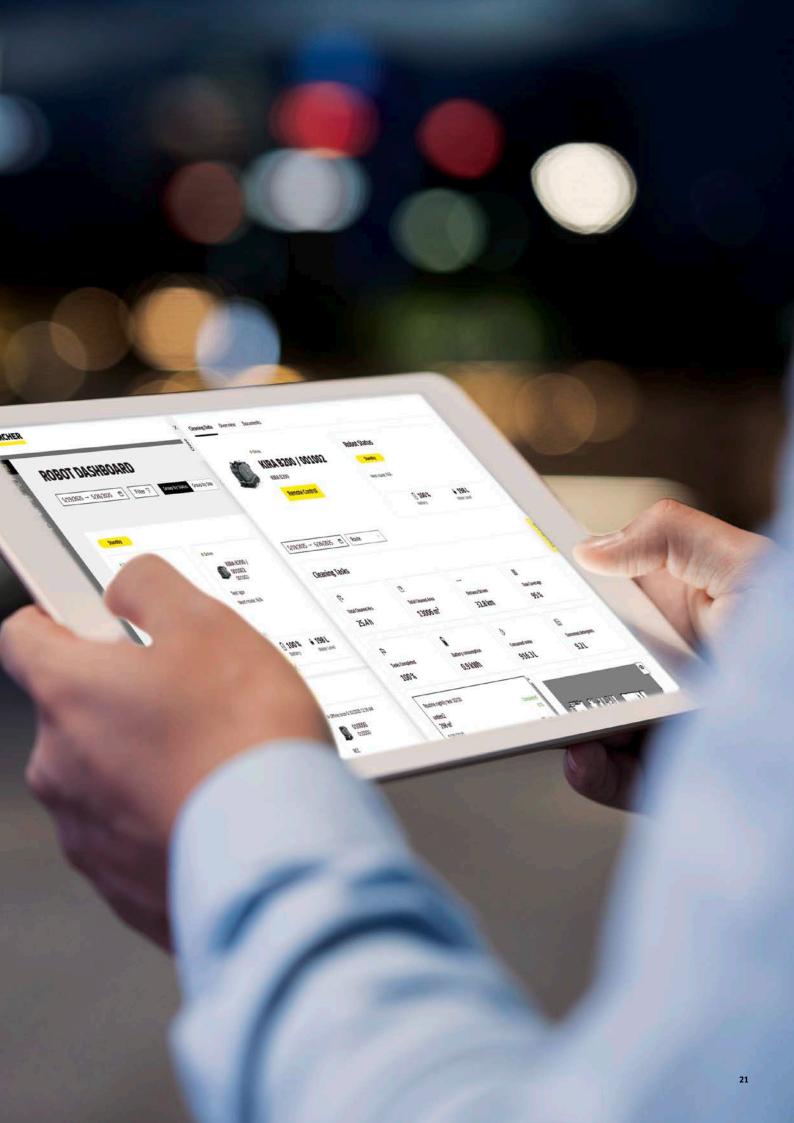
Always maintain a current overview, full control and exact knowledge – from the individual machines to the complete fleet: at all times, from anywhere and with one click.

The associated Kärcher equipment manager and the powerful KIRA Robots App are convenient solutions that enable managers to maintain a perfect overview of all relevant data and processes for the KIRA B 200 at all times and from anywhere in the world.

To do this, the machine also acts proactively by automatically creating and providing transparent cleaning reports with detailed information about the cleaning task at the end of cleaning, for perfect documentation. Other important notifications, regarding faults or other unplanned events, for example, are also

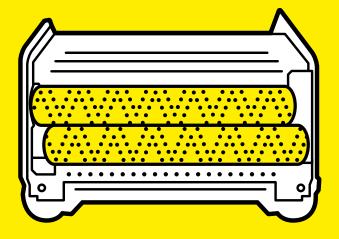
precisely documented in an internal notification log, displayed on the machine and delivered to managers and, if desired, also to employees on-site, via the KIRA Robots App, email or SMS. In the event of a problem, the employees on-site can therefore intervene and initiate further measures.

The KIRA Robots App and equipment manager are therefore more than just convenient applications. They enable a perfect flow of information to all those involved and thus help to guarantee operational readiness even when problems do occur.



SPECIALISTS AND GENERALISTS

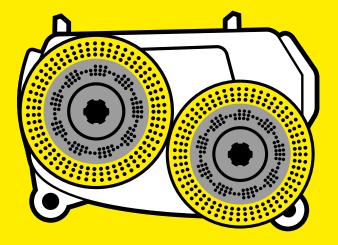
The KIRA B 200 scrubber dryer robot is available in two versions – either with disc brush engineering or with roller brush engineering. In short: both machines are fundamentally well-suited to cleaning both smooth and textured floors. Yet, they also differ, because they can each handle one task a little bit better than the other.



KIRA BR 200 with roller brush head

The high contact pressure of the self-cleaning rollers and low water consumption make it ideal for heavily contaminated and textured floors.

- Pre-sweeping and scrubbing in a single step
- Side brush for cleaning right up to the edge
- High contact pressure, ideal for textured floors
- Excellent cleaning performance on heavily contaminated areas
- Lower water consumption



KIRA BD 200 with disc brush head

Especially powerful yet gentle cleaning performance on smooth and delicate surfaces, quiet in operation and with low brush wear.

- Ideal for cleaning smooth and delicate floorsDiamond and melamine pads can be used
- Particularly quiet operationLow level of brush wear



FULLY EQUIPPED. AS STANDARD.

With or without docking station, with disc brushes or roller brushes: KIRA B 200 is impressively fully equipped as a standard. Always.



As well as perfect and safe navigation thanks to state-of-the-art sensor technology and laser scanners, additional safety devices, such as the innovative LED lighting modules and, of course, the powerful and long-lasting lithium-ion batteries, many other equipment features ensure convenient operation and the best cleaning results.

In order to also save valuable resources, time and money, several systems work seamlessly together. For example, the Auto-Fill function saves the time taken for manual filling of the

fresh water tank, while the speed-dependent water dosing ensures minimal water consumption from the outset. The DOSE detergent dosing system also enables precisely adjustable, demand-based dosing of the detergent. And after cleaning, the automatic rinsing system automatically cleans the dirty water tank.

In fully autonomous mode, when using the optional docking station, the KIRA B 200 completely automatically fills with fresh water, drains the dirty water and charges its batteries.

Technical data		BR 200	BD 200
Working width	mm	850	900
Fresh/dirty water volumes	I	200/200	200/200
Brush type		Roller brush	Disc brush
Battery type		Li-ion	Li-ion
Battery	V/Ah	24/320	24/320
Battery runtime	h	4	4
Maximum speed, autonomous	km/h	5.4	5.4
Maximum theoretical area performance	m²/h	4,590	4,860
Length × width × height	mm	1,898 × 1,138 × 1,471	1,898 × 1,138 × 1,471
Weight without water	kg	619	650

KIRA CARE: OUR SERVICE. YOUR BENEFIT.

When calculating your costs, nothing is more helpful than being able to determine your expenditure in advance as precisely as possible. With the KIRA Care Basic, KIRA Care and KIRA Care Plus service packages, you know exactly what lies ahead from the outset. Benefit from comprehensive services that make your everyday business so much easier.



The KIRA Care package always includes access to the equipment manager, software updates and a functional guarantee, which also covers the battery. Of course, you can rest assured that exclusively original spare parts and trained and experienced service technicians will come to your aid in a maintenance case, the cost of which is naturally already covered by your care package. There's no need for you to invest any time or effort, since we plan and coordinate our Works Customer Service visits so that you don't have to worry about a thing.

You can cover even more eventualities with the KIRA Care Plus package. For example, in the event of a machine failure, you will receive a replacement immediately, benefit from particularly fast response times, or simply include all required consumables in advance. What's more, you will regularly receive tailored advice for efficient use of your cleaning robot.

Whether for purchasing, renting or financing, the KIRA Care packages are the perfect addition to your autonomous Kärcher scrubber dryer.

Features	KIRA Care Basic	KIRA Care	KIRA Care Plus
Set-up	•		•
Instruction and user training		•	
KIRA success management	-	-	
Inspection and maintenance			
Functional guarantee	-		
Replacement machines	-	-	
Battery	-		
Consumables	-	-	
Mobile communications and connectivity			
Software updates			
Technical hotline/support	Business hours	Business hours	Priority/extended
Reaction time	Standard	Standard	24 h
Resolution time	Standard	Standard	48 h

RESEARCHED. TESTED. SUCCESSFUL.







Forty years of experience in chemicals development – our experts collaborate across disciplines in the research, development and testing of new cleaning agents and application methods. To achieve the best results and safe application, the team have state-of-the-art laboratories and top research and testing facilities at their disposal.

Our technologies are always setting new standards by closely collaborating with industrial customers and private users. Worldwide.

Top-level development The new chemical laboratory is at the heart of the research and development of innovative cleaning and care agents. Our experts analyse every type of dirt on all surfaces so that it can be professionally removed, picked up and disposed of. Every product developed here for our industrial and private customers is created using holistic thinking from the very beginning, systematically and entirely at Kärcher.

Sustainable right from the start Meeting environmental standards is becoming increasingly important. This is why Kärcher places particular value on the sustainable selection of raw materials, the development and production process and the use of resource-conserving packaging solutions throughout the whole production chain.

Made in Germany Highest quality – Kärcher produces its own cleaning products in order to achieve consistently high quality, sustainable production and the best delivery capacity. Using our highly flexible system, 0.5-litre bottles and tankers with capacities of up to 20,000 litres can be filled promptly and very economically from 25,000-litre mixing drums.

Perfect cleaning solution Kärcher cleaning and care agents are just as versatile and powerful as the units and machines in which they are used - because they are specially developed for use with Kärcher cleaning machines. This combination is key: the effective interplay between machine and cleaning agent guarantees optimal cleaning.



POWERFUL. SAFE. ENVIRONMENTALLY FRIENDLY.





FloorPro natural industrial cleaner RM 69N

FloorPro Fine Stoneware Cleaner RM 753

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FloorPro Intensive Deep Cleaner Extra RM 752

FloorPro Cleaner CA 50 C eco!perform

Depending on the location of use, the floor covering and how dirty it is, Kärcher recommends different detergents for use with the KIRA B 200 cleaning robot – each one, of course, perfectly tailored to the machine, safe to use and environmentally friendly.

FloorPro natural industrial cleaner RM 69N

This non-toxic detergent is just as effective as conventional detergents at removing oil and grease stains from industrial and ESD floors in logistics centres, production sites, the transport sector and the automotive industry. It is made up of 99 per cent natural ingredients and is free from mineral oils, fragrances and colourants, silicone oils, phosphates and microplastics.

FloorPro Fine Stoneware Cleaner RM 753

This special detergent for fine stoneware tiles reliably removes even stubborn oil, grease and mineral contamination, whilst preserving the slip-resistant effect of the tiles. This makes it especially suitable for use in retail units and shopping centres.

FloorPro Intensive Deep Cleaner Extra RM 752

Powerful detergent for deep cleaning and coating removal on industrial floors. It removes even ingrained oil, grease and mineral contamination as well as wax and polymer coatings. Suitable for all industrial and ESD floors, epoxy resin surfaces, cement screeds and other alkali-resistant floors.

FloorPro Cleaner CA 50 C eco!perform

This all-rounder, certified with the EU Ecolabel, can be used universally on virtually any water-resistant and alcohol-resistant surfaces. It reliably removes footprints, dust, dirt caused by emissions, prevents quick recontamination and achieves streak-free cleaning even on high-gloss surfaces.

LI-ION BATTERY

More productivity with less downtime and fewer battery changes. Durable and efficient at a lower TCO. The 80-Ah lithium-ion battery delivers when it really matters. It takes efficiency and performance to a whole new level, while also significantly reducing the machine's total operating costs.

A genuine win-win situation!

Four times the battery lifetime The lithiumion battery achieves a service life of up to 3,800 cycles at 70 per cent depth of discharge. This means fewer battery changes and a lower TCO. A lead-acid battery, by comparison, lasts only 500–900 cycles at the same depth of discharge.

Easy handling: the battery is easy to use and does not require any maintenance. There is no special usage or charging behaviour required. There's also no outgassing during charging.





SUSTAIN-ABILITY MAKES THE DIFFERENCE

At Kärcher, sustainability is an aspiration and driving force. This is why we not only impress with our powerful cleaning systems but also take responsibility: for the environment, our products, the supply chain, society and our staff.

BE THE DIFFERENCE!

Our actions focus on sustainable business development based on people's needs:

we want to create value – for our customers, staff and the company. This is based on our long-term sustainability strategies, which we have been consistently pursuing for several years.

Our 2025 sustainability objectives include production with green electricity, recycling of raw material and the reduction of plastic packaging. Sustainability is also deeply embedded in our global supply chain. When it comes to social and societal issues, we concentrate on preserving values.





Setting the course for climate protection. Since 2021, we produce and assemble our products at all Kärchers facilities with 100% electricity from renewable* sources. To reduce our carbon footprint, we save energy and invest in efficient systems and buildings. Many factories generate their electricity self-sufficiently through photovoltaic systems. Because for Kärcher, sustainability does not end at the factory gates, we also consider emissions from upstream and downstream activities. To name but one example: we reduce emissions by focussing on regional suppliers.

REDUCE, REUSE, RECYCLE



Focus on conserving resources. We design our cleaning systems to be as environmentally friendly as possible, from manufacture and use right through to disposal. The aim is to reduce the use of primary raw materials. This is why we rely on material procurement from sustainable sources, an increase of the proportion of recycled plastic in products, and durable machines. We are working on sustainable packaging and a pilot production programme for avoiding plastic waste. We are also committed to reducing and reusing ocean plastic.

SOCIAL HERO



Responsibility is our compass. In our supply chain, we also value environmentally friendly behaviour, long-term relationships, strict social standards and transparency. We follow clear criteria against which we measure ourselves and our partners. We are aware of our social responsibility and contribute in this area by supporting organisations and people that campaign for the preservation of nature, culture and society, including in SOS Children's Villages, by preserving historic buildings and in water protection and conservation.

^{*} From solar power (on-site and off-site), hydropower, wind power.



makes a difference

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