

# KÄRCHER

makes a difference



## EFFICIENCY. RELIABILITY. SERVICE.

Greater success through partnership

PROFESSIONAL | CLEANING SERVICE PROVIDERS





## Success through partnership

The trend towards the outsourcing of cleaning services by local authorities and companies continues. The prospects for cleaning service providers are therefore positive but they also face a number of challenges: dynamic competition, the pressures of rising costs as well as new activities and procedures in cleaning. Good performance alone is no longer a guarantee of success. Efficiency and sustainability are decisive success factors, as well as optimal management and a powerful, reliable partner – Kärcher, the world's market leader for cleaning technology.



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## Kärcher - the powerful partner

The name Kärcher is synonymous with strength, quality and innovation worldwide. It also stands for cleaning expertise that sets standards. The unique Kärcher system combines innovative technologies, high-quality products, forward-thinking fleet management and comprehensive services that offer impressive solutions for every need and demand, all the way through to complete systems.





### 1 Success needs the right partner

The principle of co-operating in order to achieve greater success is part of human nature. Kärcher's progress to international market leader in cleaning technology and system provision follows precisely this principle - working together to achieve more. The means to this is the Kärcher system - a system solution comprising machines, accessories and cleaning materials, perfectly tailored to individual needs through expert advice, service availability and up-to-date finance options.

### 2 Safety as a key function

The Kärcher Intelligent Key System (KIK) for scrubber driers offers substantially better protection against operator error. Operators cannot change the basic machine settings which are preset or enabled by the supervisor for the cleaning job or facility concerned. The operator only needs to insert the key. The machine can be started only with the associated coded key and is therefore technologically protected against unauthorised use.

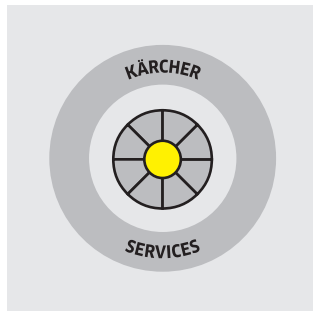


### 3 eco!efficiency - achieve more with efficiency

Efficiency comes in a range of forms: reduced energy consumption, high-performance internal combustion engines, lower consumption of cleaning agents, using highly-concentrated cleaning agents to reduce packaging, as well as structural recyclability and/or the minimisation of components. These are effects which can only be achieved through new ideas and innovative technologies and which, above all, require the will and ability to actually carry them out. Kärcher offers a comprehensive range of machines and cleaning agents carrying the eco!efficiency rating, with which users across a wide range of diverse fields can achieve effective, efficient and eco-friendly cleaning.

# You manage your business. We provide the support.

Things can be much easier when people's talents are combined. Because it is simply more successful to pursue common goals, to complement each other, to learn from one another. One could call it the principle of progress. We call it Kärcher Services. A promise of partnership. From professionals for professionals.

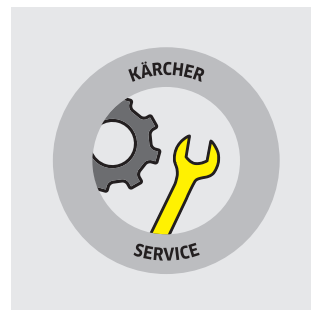


## Kärcher Services:



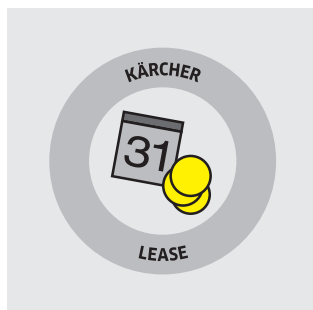
### **Kärcher Fleet Fleet management**

Branch-specific data acquisition and evaluation. The evaluation of machine data enables the documentation of services for customers as well as for management planning and evaluation.



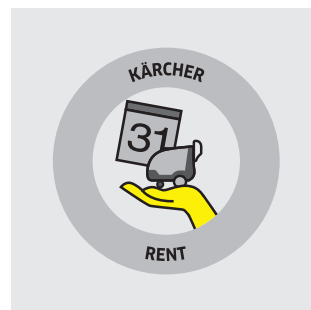
### **Kärcher Service Customer service**

Service means trust. At all times. Services you really need. Fast reaction for maximum availability. Maximum value retention and compliance with all statutory requirements.



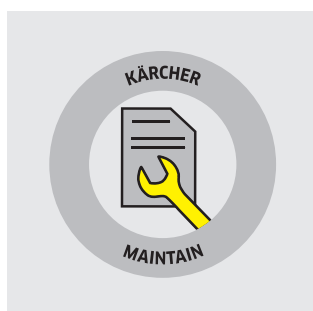
### **Kärcher Lease Leasing**

Tailor-made. Flexible. Safe. We provide the flexibility you need: with leasing and financing models for all requirements.



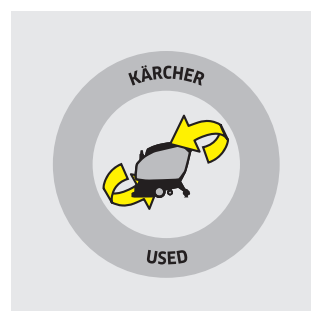
### **Kärcher Rent Rental**

Precisely the right machine you need. Rent instead of buying. And get more: know-how and Kärcher full service package.



### **Kärcher Maintain Service packages**

Every service package is exactly tailored to suit specific needs. The range of services includes inspections as part of prescribed safety tests, timely maintenance and flat rate full service.



### **Kärcher Used Used machines**

If used is what you need. Starting up? Or simply just want to save costs? We have the right used machine for you. Used, generally overhauled, good and affordable. Offers are constantly changing. Ask us.

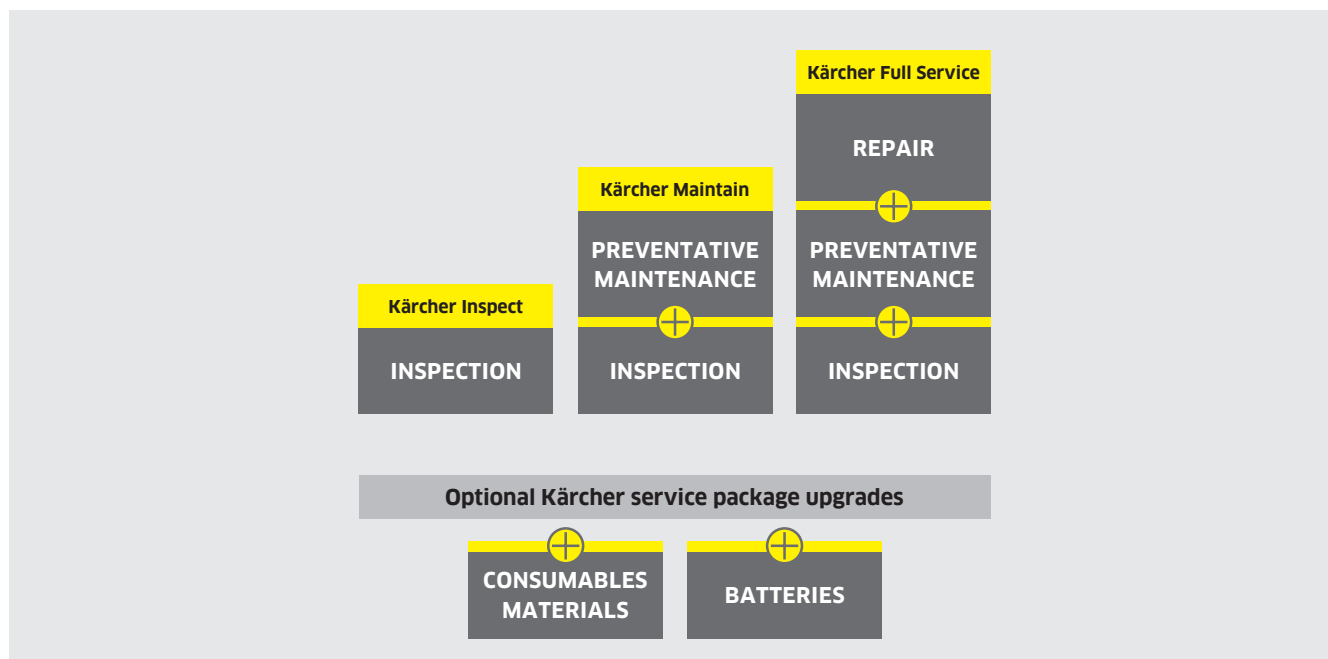


### **Kärcher ECO!Manager Facility management**

The innovative web based software for real-time recording of all facility management activities on site. Paperless mobile documentation. Recorded data is available directly in the system.

# Service packages

If you work with professional cleaning machines then you have to be able to trust that your fleet of machines is fully ready for use at all times. That's why you need a partner who offers you more than just machines and who gives you confidence so that you can concentrate on your core business. We are your partner in the world of cleaning. All the way from the analysis of needs and financing, through inspection and servicing, to the acquisition and sale of used machines. With a level of service that will inspire you and with service packages for every need.



Service packages	Order No.	Inspection	Preventative maintenance	Function guarantee	Battery	Consumables
Kärcher Inspect	2.888-058.0	■	-	-	-	-
Kärcher Inspect	2.888-073.0	■	-	-	-	■
Kärcher Inspect	2.888-074.0	■	-	-	■	-
Kärcher Inspect	2.888-075.0	■	-	-	■	■
Kärcher Maintain	2.888-059.0	■	■	-	-	-
Kärcher Maintain	2.888-060.0	■	■	-	-	■
Kärcher Maintain	2.888-076.0	■	■	-	■	-
Kärcher Maintain	2.888-077.0	■	■	-	■	■
Kärcher Full Service	2.888-061.0	■	■	■	-	-
Kärcher Full Service	2.888-062.0	■	■	■	-	■
Kärcher Full Service	2.888-078.0	■	■	■	■	-
Kärcher Full Service	2.888-079.0	■	■	■	■	■

# Complete transparency for more success

Kärcher Fleet is the innovative professional fleet management from the global leader in cleaning technology. This unique, comprehensive and future-orientated solution was developed in collaboration with leading contract cleaners. Kärcher Fleet delivers the respective relevant information to the cleaning task managers for a seamless overview about machines, staff and responsibilities. On this basis, optimisation of processes can be promoted as more efficiency can be achieved in the performance of different cleaning tasks.



**Industry specific solution**



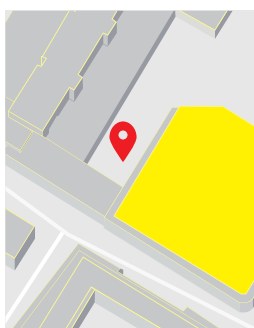
**Reliable cleaning processes**



**Transparent fleets under control**



**Increased machine utilization**



**Secure fleets**

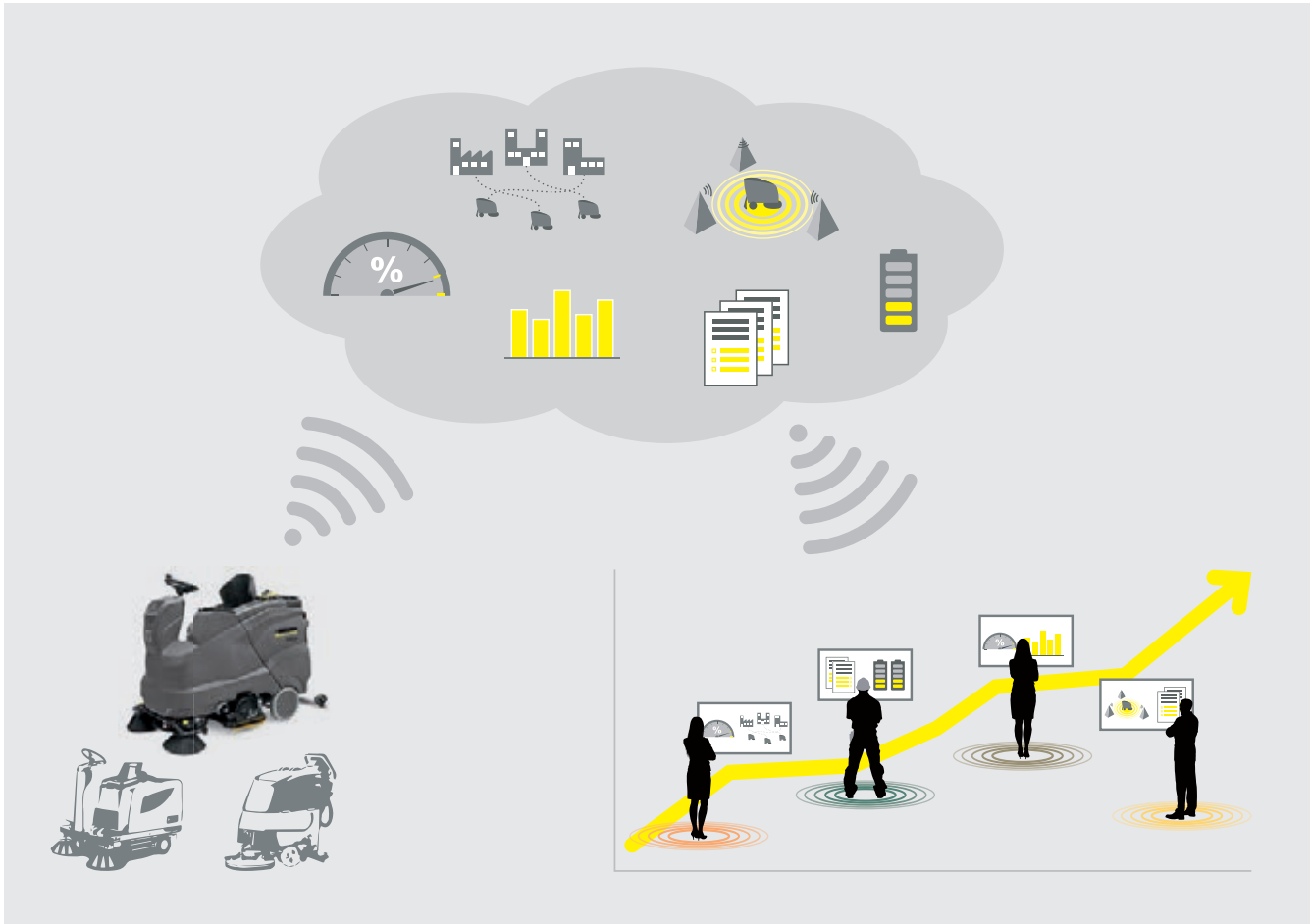
The principle and benefits of Kärcher Fleet are based on machine data, which are processed into meaningful information. This information can be accessed through a modern, web-based portal. Different versions of the portal are at the disposal of fleet managers, dependent on branch affiliation. Through this, Kärcher Fleet offers relevant, concrete and current information for each respective type of fleet. The structures, locations, task managers

and responsibilities within the fleet, as well as the measurement criteria, are illustrated both industry-specific and company-related. The reliability of the cleaning processes can thereby be increased significantly. Through better machine coordination, the protection against misuse and theft, as well as increased machine availability, Kärcher Fleet offers important distinguishing features for each industry.



# You can't be everywhere, but you can know everything!

What you see is what you need. With task-oriented access, Kärcher Fleet users only receive the information that is relevant for them. Alarms, warnings and information are individually adjustable. Kärcher Fleet is precisely aligned to the requirements of different industries and marks a new level of efficiency and professionalism in fleet management.



## Simple planning and management

The planning and control of cleaning activities can be made a success at different levels of management with Kärcher Fleet. Authorised users can make up-to-date changes to the structure or responsibilities at any time. The important notifications and current state of the fleet will be clearly displayed on the dashboard, dependent upon authorisation. The representation of the spatial allocation of machines to places of work takes place graphically on a map. The current status is represented by clear indicators. Fleet operators can view the status around the clock: whether the machines are used properly and according to plan, whether the cleaning times are respected, whether maintenance or repairs are necessary and much more besides. Detailed information is accessible with just one click directly in the overview. Kärcher Fleet transmits the data in near real-time, even on smartphones or other mobile applications, thereby optimising fleet utilisation, if necessary, allowing for corrections to be made almost immediately.

## Continuous availability

With Kärcher Fleet, operators always have a complete overview of all machines – restricted even from other manufacturers – as well as their availability, condition and planned or actual locations. In the event of any deviations in planned status, authorised persons are immediately informed by an automated alarm and can identify the cause as well as take measures. Battery conditions, such as charging cycles, are monitored in order to optimise the use of batteries and machines.

## Increased machine utilisation

Too low a machine utilisation quickly generates costs that rocket the total cost of the fleet skywards. With Kärcher Fleet, every fleet operator can set the desired daily use of machine times individually.

# ECO!Manager: planning for success

Kärcher ECO!Manager software optimises all documentation and information processes in facility management: recording, managing and monitoring facilities, rooms, equipment and services. Continuously, any time and anywhere. The application spectrum of ECO!Manager extends from facilities management via documentation of cleaning activities to complaints processing, and from the planning and documentation of working hours and tasks via machine management to the documentation of technical maintenance services.



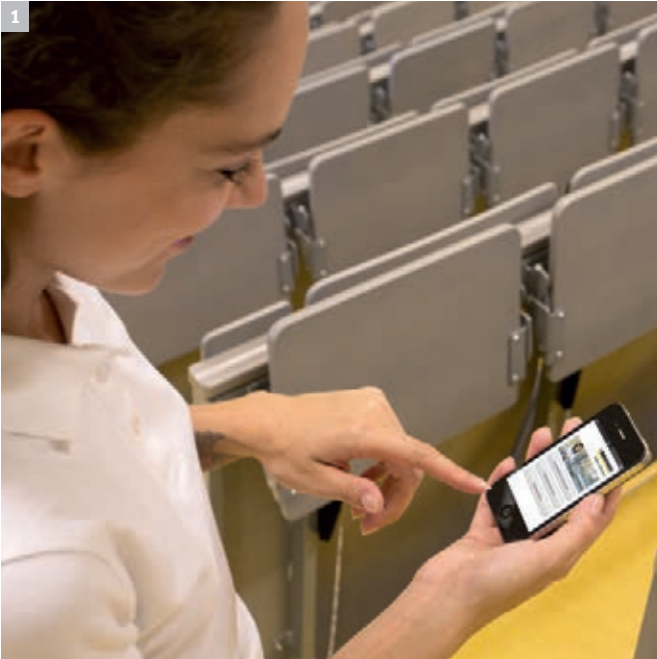
**Record**



**Plan online**



**Evaluate anywhere**



**1 Standardised quality control**

The innovative Kärcher ECO!Manager app is a pioneering tool for QA inspections any time, anywhere. Quality inspections can be documented and evaluated in compliance with EN 13549. Internal inspections and spot checks as well as external quality inspections can be recorded based on standardised specifications for user groups, quality levels, test areas and complaints, using scanners and barcodes or a smartphone app. All results are available to every authorised user online. Always up to date, any time and anywhere.

**2 Immediately record and react**

Barcodes enable the recording of damage and appropriate measures to be taken on site. Instructions for subsequent cleaning, repairs or replacement can be issued immediately. This reduces reaction times and makes an important contribution to the prevention of infections.



**3 Easy documentation by scanning**

For complex tasks and activities in the service sector, modern organisation is a decisive success factor. Individual bar codes on doors, facilities or equipment enable fast and clear documentation of attendance times and activities by scanning. Regularly recurring cleaning tasks or disinfection as well as additional activities. ECO!Manager enables reliable and requirement-oriented acquisition, storage and processing of all relevant data in a wide range of different areas: contract cleaning, security, property management, caretaking, machine management and technical services. ECO!Manager gives managers a full overview of planned, current and completed activities and utilised resources, any time and anywhere.

# Just right for every type of floor covering

The floor coverings may vary but the task remains the same: perfect cleaning and care of all hard or resilient floor coverings. The Kärcher system has an optimal solution for the deep cleaning, maintenance cleaning and care of all types of floor covering. Dry or wet, cleaning by machine or with manual cleaning equipment, using tools and cleaning agents perfectly suited to the task. The results are as perfect in the centre area as they are around the edges. With all the possibilities and advantages that come from 75 years' experience as world leaders in cleaning technology.



Polishing machines



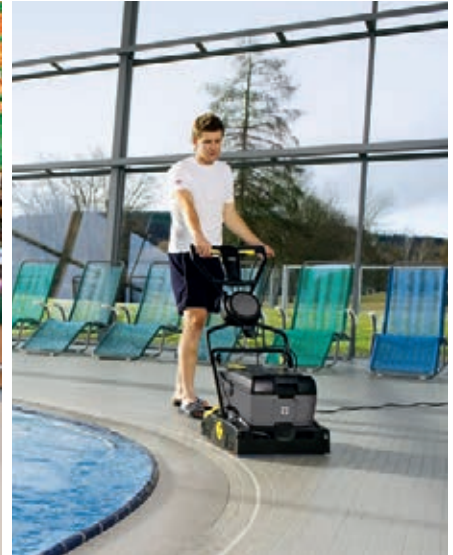
Scrubbers/scrubber driers



Vacuum cleaners



Manual cleaning equipment



### **Mechanical, manual, individual**

The prerequisites for efficient cleaning are different in almost every case. Depending on the type of floor covering, the area, the degree of soiling and whether it is an indoor or outdoor location, factors such as hygiene regulations, safety at work and environmental compatibility must be taken into account. More and more, the correct solution is a system that combines individual elements that are correctly matched.

The Kärcher system is a complete range of products and associated services from a single source, which can be combined to produce the best solution to practically any situation. And the deciding factor is not the range of elements available but the actual requirement. As your complete solution partner, Kärcher offers not everything it can, but everything that the system user needs.

# Extracting every last speck of dirt from the carpet

Carpets in office buildings, hotels and schools are subject to heavy traffic every day. Kärcher carpet cleaners, vacuum cleaners and sweepers have been proving their worth for decades. These robust, powerful and versatile machines are designed for deep cleaning, intermediate cleaning and spot-cleaning carpets and for removing stains from textile surfaces. They also clean deep into the fibres of blinds, upholstery and car seats.



**Dry vacuum cleaners**



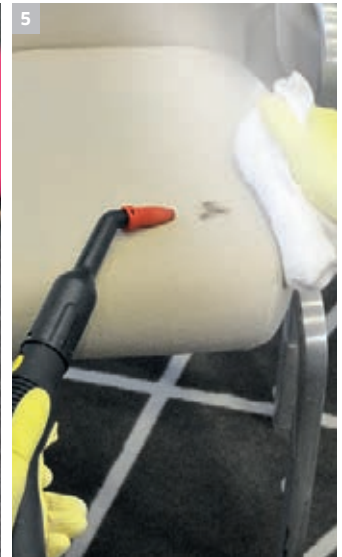
**Sweepers with carpet kit**



**Carpet cleaners**



**Spray extraction cleaners and air blowers**



**1 Spray-Ex with strong suction**

Spray extraction cleaners are ideal for cleaning all types of textile surfaces. Their robust technology, extra-powerful suction and comprehensive range of accessories allow outstanding cleaning performance and enormous versatility.

**2 Interim carpet cleaning in record time**

The specialist iCapsol RM 768 carpet cleaner is a powerful active dry foam for interim carpet cleaning. Applied with a Kärcher carpet cleaner, iCapsol RM 768 dissolves and encapsulates the dirt found in the fibres of the carpet. After an extremely short drying time, the dirt is simply vacuumed off. Only 20 minutes later, the carpets can be used freely again. Its high performance means that even large areas of carpeting can be cleaned very economically.

**3 Carpet-shampooing with perfect balance**

Kärcher single disc machines with double guide column are perfectly balanced for good pace, which makes for particularly convenient shampooing. Deep-seated dirt is reliably dissolved from the fibres with little effort. The ideal solution to deep fibre cleaning of textile surfaces.

**4 5 Stain removal using cleaning agent or steam**

For the professional removal of stains from textile surfaces, Kärcher offers two different procedures. Universal Stain Remover RM 769, the universal remover for all textile coverings and upholstery, reliably removes oil, shoe polish, chewing gum residues and felt pen marks. With steam cleaners and microfibre cloths, water-soluble stains can be easily and efficiently removed without the use of chemicals.

# Sanitary areas – cleaning deep into joints and crevices

Sanitary areas with non-slip coatings can be particularly demanding when it comes to cleaning. With limescale, skin grease and cosmetic residues found in baths, showers and changing rooms and with textured floors or small areas where hygiene requirements are high, the prevention of germ transmission in these areas is crucial. The regular use of compact, efficient Kärcher cleaning machines ensures that floors are hygienically clean, deep into joints and crevices.



**Scrubbers/scrubber driers**



**Steam cleaners and multi-function devices**



**Mop systems**



**Cleaning agents**





**For visible success, every day**

Economy and hygiene are not mutually exclusive in cleaning, if it is approached systematically. Unsuitable cleaning agents or inadequate dosages will not achieve the required effect. Machines and manual devices that are too strong, too weak or not properly adjusted will cost more, even over the short term, than any apparent savings that they offer.

With the Kärcher system, the cleaning professionals go for success in every respect. For safe application and reliable performance. For top quality and well thought-out functionality. For reliable service and maximum efficiency and for everything that makes a difference: Kärcher.

# A recipe for cleanliness

Hygiene is a 'must' in kitchens and restaurants. For compliance reasons as well, there must be no room for doubt that hygiene is the top priority here. In these sensitive areas, the Kärcher system offers everything for professional cleaning in the context of strict adherence to hygiene regulations. A comprehensive range of manual tools, powerful cleaning machines, accessories and cleaning agents is available for such purposes, so that everything from stainless steel surfaces to tiles and floors can be kept hygienically clean.



Wet and dry vacuum cleaners



Scrubber driers



Scrubbers and single-disc machines



Steam cleaners



### Compact solutions for demanding environments

The SG 4/4 steam cleaner with VapoHydro cleans entirely without the use of chemicals and is therefore ideal for the food industry\*. Its 2-tank system and refined refill technology allows long periods of non-stop cleaning. VapoHydro allows precise adjustment of steam pressure and of steam saturation (steam or hot water jet). Even the most stubborn dirt doesn't stand a chance against the high temperatures and pressure of the SG 4/4.

The mobile, compact scrubber driers are ideal for deep and maintenance cleaning of all hard surfaces in small kitchens and restaurants. These machines include long-proven technologies as well as some of the most innovative solutions, such as KART – Kärcher Advanced Response Technology – allowing them to be steered like a car.

\* Accordant to prEN 16615, PVC floor, machine: SG 4/4 (floor nozzle with slats, 30 cm/sec., max. steam pressure, min. VapoHydro) respectively SGV (floor nozzle, 30 cm/sec., 1. steam, 2. steam vacuum, level 3). Test-germ: Enterococcus hirae ATCC 10541.

# Professionals require professionals – right along the chain

When industry enters into a contract with a cleaning service provider, they both need the right partner. A system provider who can offer everything and make everything possible. With machines for standard and specialist applications. Reliable technology that can deliver ultra-high performance when required, in order to remove stubborn dirt. Even under extreme operating conditions, and in action around the clock. Machines and accessories that are ergonomically constructed, easy to maintain and highly mobile. Embedded in a network that is flexible enough to cover everything.



Dry ice blasters



Industrial vacuum cleaners



High-pressure cleaners



Ultra-high-pressure cleaners



### Everything that industry needs

Mobile and stationary high-pressure cleaning are essential applications in industry, be it the meat processing, automotive or chemicals sector. Just one single Kärcher high-pressure cleaning system can supply up to twelve users at different take-off points with up to 12,000 l/h of high-pressure water. If the cleaning performance of conventional high-pressure cleaners is still not sufficient, the ultimate solution is Kärcher UHP. With hot water at up to 800 bar or cold water at up to 2,500 bar, these powerful ultra-high pressure

cleaners are leading the way in the most demanding industrial applications, such as removing paints and coatings, cleaning tanks and pipes and even keying concrete. Often cleaning with water and steam is not an option, perhaps because of the risk of corrosion in the case of casting moulds, or because of the need to avoid leaving behind residues. It is in these situations that the powerful Kärcher dry ice blasting devices are deployed, to gently clean surfaces using dry ice pellets as the abrasive medium.

# Unbeatably versatile

As the inventor of the high-pressure cleaner, Kärcher offers a range of high-pressure cleaning products that leaves nothing to be desired in terms of technical refinement and scope of application – be it cold water or hot water units, powered by electric motor or petrol/diesel engine, mobile or stationary. With the same technological, quality and efficiency demands, Kärcher's sweepers and vacuum sweepers have proved themselves in exterior cleaning on various surfaces and types of ground. Always the best machine for every requirement.



Compact walk-behind sweepers



Ride-on vacuum sweepers



High-pressure cleaners



Cleaning agents

# The vehicle range for all year round

Sweeping, wet cleaning, grass care and winter services – these are the four seasons for Kärcher’s municipal vehicles. These implement carriers provide professionals with high performance at maximum economy, and thereby ideal conditions for year-round deployment. When extraordinary tasks demand extraordinary solutions, the Kärcher system offers a whole range of appropriate accessories.













## Cutting edge cleaning

High-performance implement carriers are always in demand. The Kärcher implement carriers can be furnished with a wide range of equipment relevant to the classic summer applications, sweeping and mowing: with 2 or 3 brushes, a weed brush, a manual suction hose or a pressure washer and with mowers with a working width of 1.3 to 3.5 metres. The Kärcher implement carrier offers great visibility from the cab, with or without climate control, and its articulated steering gives it unbeatable manoeuvrability. Winter service generally means difficult operating conditions and enormous time pressures. The Kärcher system, consisting of implement carrier and attachments, offers solutions for every snow-clearance task: roller brushes for clearing, snow ploughs for driving a path and the v-plough. For the most extreme conditions there are high-performance snow clearers, perfectly suited to the relevant vehicle class and in addition appropriate spreader attachments for sand, grit or salt, and for damp salt and brine.

## ECO!Manager Public Services: for local authorities

The ECO!Manager Public Services Tool includes specific modules that bring the goal of a “transparent authority” within reach. With ECO!Manager Public Services, all the relevant data can be recorded and displayed, in order that planned, ongoing and completed activities and investments remain in the public eye. This complete solution, compatible with all standard interfaces, makes your efficacy apparent both internally and externally. Externally, the public obtains a clear view of municipal services and the costs they entail, which are often taken for granted. Internally, the authority’s decision-making process is improved by means of an extensive monitoring facility. There are additional synergistic effects deriving, amongst other things, from the reduction in administrative processes and from high-performance online data management.

# The right solution for every surface

<p>Cleaning device</p> <p>Application</p>	<p>Scrubber driers</p> 	<p>Vacuum cleaners</p> 	<p>Single-disc machines and polishing machines</p> 	<p>Carpet/upholstery cleaning</p> 
<p><b>Hard surfaces</b></p> 	<p>BR 30/4 C, BR 35/12 C BR 40/10 C BD 38/12 C BD 43/25 C, BD 43/35 C B 40 W, B 60 W, B 80 W B 120 W BR 55/40 RS, BD 50/40 RS B 60/10 C B 95 RS, B 90 R B 150 R, B 250 R</p>	<p>NT 27/1 NT 48/1 NT 70/2 Adv T 7/1 ecoefficiency T 10/1 Adv T 10/1 ecoefficiency T 12/1 ecoefficiency</p>	<p>BDS 33/180 C BDS 43/180 C BDS 51/180 C BDP 43/450 C BDS 43/Duo C</p>	<p>SG 4/4</p>
<p><b>Textile surfaces</b></p> 		<p>T 7/1 ecoefficiency T 10/1 Adv T 10/1 ecoefficiency T 12/1 ecoefficiency CV 30/1 CV 38/2 Adv</p>	<p>BDS 33/180 C BDS 43/180 C BDS 51/180 C</p>	<p>Puzzi 10/1 Puzzi 10/2 Adv Puzzi 30/4 PW 10/1, PW 30/1 AB 20 SG 4/4 BRS 43/500 BRC 30/15 BRC 45/45 BRC 50/70</p>
<p><b>Sanitary areas</b></p> 	<p>BR 30/4 C BR 35/12 C</p>	<p>NT 27/1 NT 48/1 NT 70/2 Adv</p>	<p>BDS 33/180 C BDS 43/180 C BDS 51/180 C BDS 43/Duo C</p>	<p>SG 4/4</p>
<p><b>Kitchen and restaurant</b></p> 	<p>BRS 40/1000 C BR 35/12 C BR 40/10 C BD 38/12 C BD 43/25 C BD 43/35 C</p>	<p>NT 20/1 Ap NT 27/1 NT 48/1</p>	<p>BDS 33/180 C BDS 43/180 C BDS 51/180 C BDP 43/450 C BDS 43/Duo C</p>	<p>SG 4/4</p>
<p><b>Industry</b></p> 	<p>B 40 C/W B 60 W B 80 W B 120 W BR 55/40 RS BD 50/40 RS B 95 RS B 90 R B 150 R B 250 R</p>	<p>NT 35/1 Tact NT 55/1 Tact NT 55/2 Tact<sup>2</sup> Me</p>		<p>SGV 6/5 SGV 8/5</p>
<p><b>Outdoors</b></p> 	<p>BR 30/4 C BR 35/12 C BR 40/10 C BD 38/12 C B 40 W, B 60 W B 80 W, B 120 W BR 55/40 RS, BD 50/40 RS B 95 RS, B 90 R B 150 R B 250 R</p>	<p>NT 35/1 Ap NT 65/2 Ap</p>		



Sweepers	Municipal equipment	High-pressure cleaners	Specialised machines	Cleaning agents
 <p>KM 70/15 C KM 70/20 C KM 70/30 C + Adv KM 75/40 W</p>				 <p>RM 752, RM 754, RM 755 RM 780, RM 746, RM 730 RM 743, CA 50 C, RM 775 RM 748, RM 740, RM 749 RM 781, RM 753, RM 756</p>
<p>KM 35/5 C KM 70/30 C KM 75/40 W KM 90/60 R + Adv</p>				<p>RM 760, RM 760 Tabs RM 764, RM 768 RM 768 OA, RM 769 RM 761, RM 770, RM 766</p>
<p>KM 75/40 W KM 85/50 W KM 90/60 R + Adv</p>			<p>AP 100/50 M</p>	<p>CA 30 C CA 30 R CA 40 R</p> <p>Sanitary cleaning: CA 10 C, CA 10 Extra CA 20 C, CA 20 R, RM 25 RM 751</p>
<p>KM 35/5 C</p>		<p>HD 7/10 CXF HD 6/16-4 M</p>		<p>RM 33 ASF RM 731 ASF RM 732, RM 735, RM 58 RM 81 ASF, RM 59 RM 750, RM 25, RM 31</p>
<p>KM 75/40 W KM 85/50 W KM 105/100 R KM 105/110 R KM 125/130 R KM 130/300 R</p>		<p>HD 10/15-4 Cage Food HD 10/25-4 S HDS 8/18-4 C HDS 12/18-4 SX HDS 9/50 De Tr1 HDS 13/20 De Tr1 HDS 13/35 De Tr1 HDS 17/20 De Tr1</p>	<p>IB 7/40 IB 15/120 Woma EcoTherm 600 Woma EcoTherm 800 IVC 60/12-1 Ec H Z22 IVC 60/24-1 Ec H Z22 IVC 60/24-2 Tact<sup>2</sup> IVR-L 65/12-1 Tc IVR-B 30/15 Me IVR 30/20-2 Pf Me</p>	<p>RM 776, RM 751, RM 750 RM 752, RM 69, RM 39 RM 69 ecoefficiency RM 81 ASF RM 81 eco! efficiency RM 31 RM 31 ecoefficiency RM 36, RM 47, RM 48</p>
<p>KM 70/20 C KM 75/40 W KM 80 W KM 85/50 W KM 90/60 R + Adv KM 100/100 R KM 105/100 R KM 105/110 R KM 125/130 R KM 130/300 R</p>	<p>MC 50 MIC 26 MIC 34 MIC 50 MIC 84</p>	<p>HD 9/20-4 M HDS 5/15 UX HDS 10/20-4 M</p>	<p>IB 7/40 IB 15/120 HD 13/35-4 HD 9/50-4 HD 13/35 Ge HD 9/50 Ge HDS 13/20 De Tr1 HDS 17/20 De Tr1</p>	<p>RM 55 ASF Abrasive fine/coarse RM 43 RM 99 RM 750</p>

# Technical data at a glance

## HOT-WATER HIGH-PRESSURE CLEANERS

	Current type (phases)	Connection output (kW)	Flow rate (l/h)	Working pressure (bar / MPa)	Max. temperature (°C)
<b>HDS super class</b>					
HDS 12/18-4 SX	3	8.4	600-1200	30-180/3-18	80/155
<b>HDS middle class</b>					
HDS 10/20-4 M	3	7.8	500-1000	30-200/3-20	80/155
<b>HDS compact class</b>					
HDS 8/18-4 C	3	6	300-800	30-180/3-18	80/155
<b>HDS upright class</b>					
HDS 5/15 UX	1	2.7	450	150/15	80
<b>HDS Trailer</b>					
HDS 17/20 De Tr1	■	-	900-1700	70-200/7-20	80/98
HDS 13/35 De Tr1	■	-	650-1300	100-350/10-35	80/98
HDS 13/20 De Tr1	■	-	900-1300	50-200/5-20	80/98
HDS 9/50 De Tr1	■	-	500-900	150-500/15-50	80/98

## COLD-WATER HIGH-PRESSURE CLEANERS

	Current type (phases)	Connection output (kW)	Flow rate (l/h)	Max. pressure (bar / MPa)	Working pressure (bar / MPa)
<b>HD super class</b>					
HD 10/25-4 S	3	9.2	500-1000	275/27.5	30-250/3-25
<b>HD middle class</b>					
HD 9/20-4 M	3	7	460-900	220/22	40-200/4-20
HD 6/16-4 M	1	3.4	230-600	190/19	30-160/3-16
<b>HD Industrial</b>					
HD 13/35-4	3	15	500-1300	450/45	100-350/10-35
HD 9/50-4	3	15	500-900	640/64	150-500/15-50
HD 13/35 Ge	-	-	500-1300	450/45	100-350/10-35
HD 9/50 Ge	-	-	500-900	640/64	150-500/15-50
<b>HD special class</b>					
HD 10/15-4 Cage Food	3	6.4	440-990	175/17.5	20-145/2-14.5
HD 7/10 CXF	3	4.5	250-700	120/12	10-100/1-10

## WET AND DRY VACUUM CLEANERS

	Air flow rate (l/s)	Vacuum (mbar / kPa)	Tank capacity (l)	Max. power rating (W)	Operating noise level (dB(A))
<b>Tact class</b>					
NT 55/2 Tact² Me	2 × 74	254/25.4	55	2760	73
NT 55/1 Tact	74	254/25.4	55	1380	69
NT 35/1 Tact	74	254/25.4	35	1380	69
<b>Ap class</b>					
NT 65/2 Ap	2 × 74	254/25.4	65	2760	73
NT 35/1 Ap	74	254/25.4	35	1380	70
NT 20/1 Ap	74	254/25.4	20	1350	66
<b>Standard class</b>					
NT 70/2 Adv	2 × 56	208/20.8	70	2400	75
NT 48/1	67	200/20	48	1380	72
NT 27/1	67	200/20	27	1380	72

## DRY VACUUM CLEANERS

	Air flow rate (l/s)	Vacuum (mbar / kPa)	Nominal power input (W)	Operating noise level (dB(A))
<b>Dry vacuum cleaners</b>				
T 12/1 ecoefficiency	43	230/23	750	65
T 10/1 ecoefficiency	55	210/21	750	54
T 10/1 Adv	61	244/24.4	1100	62
T 7/1 ecoefficiency	55	210/21	750	54
<b>Brush vacuum cleaners for carpets</b>				
CV 38/2 Adv	48	250/25	1050	67
CV 30/1	48	207/20.7	1000	67

## INDUSTRIAL VACUUM CLEANERS

	Air flow rate (l/s / m³/h)	Vacuum (mbar / kPa)	Container capacity (l)	Filter area (m²)	Standard nominal width ID (mm)
<b>Industrial vacuum cleaners</b>					
IVC 60/24-1 EC H Z22	39	223/22.3	60	0.95	42

## CARPET CLEANING MACHINES

	Max. area performance (m²/h)	Air flow rate (l/s)	Turbine / pump power (W)	Tank fresh / dirty water (l)
<b>Spray extraction machines and professional power brushes</b>				
Puzzi 30/4	60-75	74	1200/70	30/15
Puzzi 10/2 Adv	30-45	54	1250/80	10/9
Puzzi 10/1	20-25	54	1250/40	10/9
PW 30/1 for Puzzi 10/2 Adv	40-55	-	-	-
PW 30/1 for Puzzi 30/4	70-110	-	-	-
PW 10/1 for Puzzi 10/2 Adv	20-25	-	-	-
	Volume flow (m³/h)	Speed (rpm)	Input power (W)	Weight (kg)
<b>Air blower</b>				
AB 20	1115	1355	102	11
Afd	554	1370	-	11
	Area performance basic / intermediate cleaning iCapsoil (m²/h)	Turbine / brush motor power (W)	Working width brush / vacuum (mm)	Tank fresh / dirty water (l)
<b>Deep carpet cleaning machines</b>				
BRC 50/70	450/1250	375/375	508/610	76/61
BRC 45/45 C	350/1000	1100/600	410/450	45/38
BRC 30/15 C	150/-	1130/80	270/315	15/17
BRS 43/500 C	-/300	-/370	430/-	7.5/-

## STEAM CLEANER

	Voltage (V)	Heating output (W)	Tank capacity (l)	Steam pressure (bar)
<b>Steam cleaner</b>				
SGV 8/5   SGV 6/5	220-240	3000	5	8/6
SG 4/4	■ 220-240	2300	4	4

## MULTI-PURPOSE CLEANING MACHINE

	Tank volume fresh/dirty water (l)	Low pressure (bar)	High pressure (bar)	Flow rate (l/min)	Motor rating suction motor / pump (W)
<b>Multi-purpose cleaning machine</b>					
AP 100/50 M	100/70	6	19/50 max.	5	1800/370

## SCRUBBERS / SCRUBBER DRIERS

	Working width brushes / suction (mm)	Theoretical area performance (m <sup>2</sup> /h)	Practical area performance (m <sup>2</sup> /h)	Tank fresh / dirty water (l)
<b>Ride-on scrubber driers</b>				
B 250 R	1000/1200 / 1160/1400	8000-9600	6000-7200	250/250
B150 R	750/900 / 940/1060	4500-5400	3200-3800	150/150
B 90 R	550-750 / 850/940	3300-4500	2475-3375	90/90
<b>Step-on scrubber driers</b>				
B 95 RS	■ 650 / 750 / 940	2600-3000	1950-2250	95/95
BR 55/40 RS	550 / 716	2350	1765	40/40
BD 50/40 RS	508 / 691	2200	1650	40/40
<b>Walk-behind scrubber driers</b>				
B 120 W	■ 750/900 / 940/1160	3000-3600	3375-4050	120/120
B 40 C/W	430-550 / 850	1700-2200	1275-1650	40/40
B 60 W	510-650/850-940	2040-2600	1530-1950	60/60
B 80 W	650/750 / 850/940	2200-3000	1950-2250	80/80
<b>Compact scrubber driers</b>				
BD 43/35 C	430 / 850	1720	1250	35/35
BD 43/25 C	430 / 850	1720	1250	25/25
BR 40/10 C	400 / 400	400	300	10/10
BD 38/12 C	■ 380 / 480	1500	1050	12/12
BR 35/12 C	350 / 450	1400	1050	12/12
BR 30/4 C	300 / 300	200	130	4/4
<b>Mopvac</b>				
B 60/10 C	■ 600 / 600	2400	1500	10/10
<b>Scrubber</b>				
BRS 40/1000 C	400 / -	450	-	10
<b>Single disc machines</b>				
BDS 51/180 C	508 / -	-	-	10
BDS 43/180 C	430 / -	-	-	10
BDS 43/Duo C	430 / -	-	-	10
BDS 33/180 C	330 / -	-	-	8
BDP 43/450 C	430 / -	-	-	-

■ NEW ■ Included in delivery □ Optional

## SWEEPERS / VACUUM SWEEPERS

	Working width without / with 1 / 2 / 3 side brushes (mm)	Waste container (l)	Max. area performance with 1 / 2 side brushes (m <sup>2</sup> /h)	Indoor use	Outdoor use
<b>Ride-on vacuum sweepers</b>					
KM 130/300 R	1000/1300/1550/-	300	13000/15500	■*	■
KM 125/130 R	■ 1250/1700/-/-	130	8000/10000	■*	■
KM 105/110 R	■ 640/1050/1400/-	110	7350/9800	■*	■
KM 105/100 R	■ 640/1050/1400/-	100	7350/9800	■*	■
KM 100/100 R	700/1000/1300/-	100	8000/10400	■*	■
KM 90/60 R   Adv	615/900/1150/-	60	7200/9200	■*	■
<b>Walk-behind sweepers/vacuum sweepers</b>					
KM 85/50 W	610/850/1050/-	50	3825/4725	■*	■
KM 80 W	800/-/-/-	40	1680/-	-	■
KM 75/40 W	550/750/-/-	40	3375/-	■*	■
KM 70/30 C   Adv	480/700/-/-	42	2800/-	■	■
KM 70/20 C	480/700/-/-	42	2800/-	■	■
KM 70/20 C 2SB	480/700/920/-	42	-/3680	■	■
KM 70/15 C	480/700/-/-	42	2800/-	■	■
KM 35/5 C	350/-/-/-	5	1480/-	■	■

\* depending on motor

## VACUUM SWEEPERS AND MUNICIPAL IMPLEMENT CARRIERS

	Working width (mm)	Sweeping container (l)	Max. area performance (m <sup>2</sup> /h)	Year-round use	Air conditioning
<b>Vacuum sweepers</b>					
MC 50 Adv   Comfort	900-1400	500	14000	■	-   ■
	Total permissible weight (kg)	Weight (kg)	HP	Year-round use	Air conditioning
<b>Municipal implement carriers</b>					
MIC 84	5000	2450	84	■	□
MIC 50   Adv	2800/3200	1650	50	■	□
MIC 34 C	1750	850	34	■	■
MIC 26 C   Adv	1750	850	26	■	-   ■

## DRY ICE CLEANING

	Air pressure (bar / MPa)	Dry ice consumption (kg/h)	Air flow (m <sup>3</sup> /min)	Dry ice capacity (kg)
<b>Dry ice cleaners</b>				
IB 15/120	2-16/0.2-1.6	30-120	2-12	40
IB 7/40	2-10/0.2-1	15-50	0.5-3.5	15

# eco!efficiency: achieve more with efficiency.

If you want to move and change things, you have to lead the way and show your true colours. The blue symbols representing the various building blocks of Kärcher eco!efficiency show at a glance how and where Kärcher's power of innovation achieves measurably greater and better efficiency for customers, products and the environment. Kärcher eco!efficiency is implemented in all business areas and is an integral part of corporate policies and actions.



## Measurable time saving

The simple equation, time = money, is still valid, but is multiplied by the efficiency factor. More efficient machines allowing work to be carried out more quickly lead to significant labour cost savings and genuine competitive advantages.



## High recyclability

Raw materials that cannot be avoided at the outset must be recyclable as far as possible after a long machine life. Kärcher machines are currently more than 90% recyclable.



## Reduced water consumption

Drinking water is precious and conserving it protects natural resources and saves energy in processing, transport and disposal. Many Kärcher high-pressure cleaners and scrubber driers already meet the eco!efficiency standard or feature an eco!efficiency mode, which efficiently regulates the amount of water depending on the cleaning task.



## Less noise

Noise is not just unpleasant, it has been shown to be damaging to health over the long term. Kärcher tackles working noise both in its own production processes and for users, on the one hand through constructive noise damping and on the other by reducing power to an optimum level. An example of this is the T 12/1 eco!efficiency dry vacuum cleaner. Its working noise level has been reduced by 5 dB(A) compared to the basic model, making it over 50% quieter. Furthermore, the low frequency of its operating noise is subjectively perceived as being very pleasant. As a result, the T 12/1 eco!efficiency is also outstandingly suitable for longer work intervals and noisesensitive areas.



## Intelligent energy efficiency

Everything has its limits. Sometimes more power no longer makes sense. The T 12/1 eco!efficiency dry vacuum cleaner proves that less can be more. Its 750 W motor uses 40% less electricity but, thanks to flow-optimised suction channels, achieves 98% of the cleaning performance of the basic unit, which is more than sufficient for maintenance cleaning.



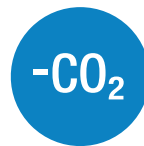
## Exemplary reparability

As early as the development phase, Kärcher machines are designed for reparability: as few components and assemblies as possible, the best possible accessibility and as many standard parts as possible, e.g. standardisation of screws.



## Materials to suit the job

The selection of the best materials for a particular case is a never-ending challenge. New materials and production processes open up new opportunities in manufacturing and the use of machines, accessories and consumables. Lightweight design, durability, avoidance of harmful substances, recyclability and costs – these are factors from which Kärcher regularly re-calculates formulae for efficiency and eco-friendliness.



## Reduced CO<sub>2</sub> emissions

Reducing CO<sub>2</sub> greenhouse gas emissions is a global objective. To reduce its CO<sub>2</sub> footprint, Kärcher is making its contribution on all levels of production and in all business areas: through optimised use of materials, energy and water, high recyclability, as well as self-generated renewable energy.



#### Optimised company processes

Kärcher ecoefficiency simply means continuously trimming all processes in the company to achieve maximum efficiency. This results in constant optimisation in all areas.



#### Extended service life

A robust construction style and high strength are key prerequisites for a long usage period. High quality, reparability and a long-term spare parts supply ensure that Kärcher Professional devices give years of reliable service.



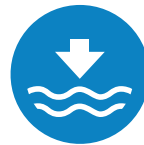
#### Reduced use of materials

If there is one art that is efficient, it is the art of reduction. Less material consumption due to optimised designs is one aspect. Another is reducing the number of components. On average, Kärcher machines consist of significantly fewer components than comparable competitor models. The resulting lighter weight not only saves driving energy, it also saves a serious amount of raw materials and energy in manufacture.



#### Comprehensive spare parts supply

Durable investment goods can only fully develop their economical and environmental advantages if all spare parts are available until the end of their service life. Depending on the particular device, Kärcher guarantees a spare parts supply for up to ten years after a model goes out of production.



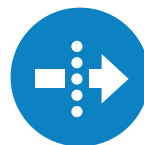
#### Less waste water pollution

It is as easy as it sounds: water that has not been used does not need to be disposed of. At the same time, dirty water should be concentrated in order to make work easier for sewage treatment plants. The Kärcher system, consisting of the device, accessories and cleaning agents is fine-tuned to achieve maximum effect with minimum effort.



#### Correctly dosed cleaning agents

The most environmentally friendly and economical cleaning agent is that which is not used. Kärcher DOSE technology enables exact dosing of cleaning agents and, as a result, achieves a significantly lower level of consumption.



#### Effective dust filtering

Dust is a nuisance to people and the environment and can be detrimental to health and ecology. Kärcher vacuums feature efficient filter systems with innovative components, such as the Tact and Tact<sup>2</sup> systems for fully automatic filter cleaning as well as HEPA filters for hygienically clean, particle-free exhaust air. Fleece filter bags with a better degree of separation, double the retention capacity and longer service life compared to paper filter bags. And last, but not least, certified safety vacuum cleaners for critical applications.

# Enthusiasm. Innovation. Success.

Since its beginnings more than 75 years ago, as a value-oriented family business, Kärcher has become a world brand with three strong attributes: top performance, innovation and quality. Today, the Kärcher brand enjoys the reputation of being a global leader and resource-conserving supplier of professional cleaning systems and is synonymous with reliable products, optimal user value and ongoing commitment to the environment, culture and sport.



**1 Seattle's highest building: the Space Needle**  
A Kärcher team pressure-washed the structure up to a height of 184 m. The job took eight weeks, working only at night.

**2 A facelift for the heads of state**  
Clean again: In 2005 Kärcher cleaned the National Memorial on Mount Rushmore.

**3 Innovative right from the start**  
In 1950, Kärcher developed the first hot water high-pressure cleaner in Europe for professional cleaning.



**4 Clean environment**

Kärcher works on environmental protection every day, with new products, technologies and investments in production facilities.

**5 In-house research and development**

Kärcher develops high-performance cleaning devices, accessories and special cleaning and care products.

**6 Internationally represented**

We are there for our customers all around the world.

**7 Commitment to sports**

Clean performance on the pitch. For several years, Kärcher has supported German and international football as a partner.

Please contact us for more information:

#### **Head Office Germany**

Alfred Kärcher GmbH & Co. KG  
Alfred-Kärcher-Straße 28-40  
71364 Winnenden

Phone +49 7195-14-0  
Fax +49 7195-14-2212

[www.kaercher.com](http://www.kaercher.com)

#### **North America**

Kärcher North America  
4555 Airport Way  
Denver, CO 80239  
U.S.A.

Phone +1 303-738-5805  
Fax +1 303-865-2758

[www.karcherna.com](http://www.karcherna.com)

#### **United Kingdom**

Kärcher (UK) Ltd.  
Kärcher House  
Beaumont Road  
Banbury  
Oxon OX16 1TB

Phone +44 1295-752-100  
Fax +44 1295-752-103

[www.karcher.co.uk](http://www.karcher.co.uk)

#### **Ireland**

Kärcher Ltd.  
Unit 4  
E.P. Mooney Business Park  
Walkinstown Avenue  
Dublin 12

Phone +353 1-409-7777  
Fax +353 1-409-7775

[www.karcher.ie](http://www.karcher.ie)

#### **Southeast Asia**

Regional Head Office  
Southeast Asia  
Kärcher South East Asia Pte. Ltd.  
3 Depot Close #01-01  
Singapore 109840

Phone +65 6897 18 11  
Fax +65 6897 16 11

[www.karcher.com.sg](http://www.karcher.com.sg)

#### **Hong Kong**

Kärcher Limited  
Unit 05, 13/F, Nanyang Plaza  
57 Hung To Road  
Kwun Tong, Kowloon

Phone +852 2-357-5863  
Fax +852 2-357-5632

[www.karcher.com.hk](http://www.karcher.com.hk)

#### **Australia**

Kärcher Pty. Ltd.  
40 Koornang Road  
Scoresby VIC 3179  
Melbourne, Victoria

Phone +61 3-9765-2300  
Fax +61 3-9765-2398

[www.karcher.com.au](http://www.karcher.com.au)

#### **New Zealand**

Kärcher Ltd.  
66 Allens Road  
East Tamaki  
Auckland 2013

Phone +64 9-274-4603  
Fax +64 9-274-6932

[www.karcher.co.nz](http://www.karcher.co.nz)

#### **South Africa**

Kärcher (Pty) Ltd.  
Cnr. Mount Joy & George Allen Rd.  
Wilbart Ext. 2  
P.O. Box 11818  
Vorna Valley, 1686

Phone +27 11 657 7300  
Fax +27 11 657 7440

[www.karcher.co.za](http://www.karcher.co.za)

#### **Dubai**

Kärcher FZE  
Quality Cleaning Systems  
Jebel Ali Free Zone  
Plot No. S-10104 South Zone  
RA 08, XB 1, Jebel Ali

Phone +971 4-886-1177  
Fax +971 4-886-1575

[www.kaercher.com](http://www.kaercher.com)