

# KÄRCHER

makes a difference



## PROFESSIONAL PERFORMANCE ALL YEAR ROUND

Here is the class with the performance you need.

**PROFESSIONAL** | MUNICIPAL | 3.5 T CLASS | MIC 50 | MIC 70 | MC 130



# AS VERSATILE AND FLEXIBLE AS YOU NEED



## **Driver and machine**

- 2 A perfect combination
- 4 Concept for the future

## **The platform concept**

- 6 Talented triplets



Your tasks are diverse. From green care, street cleaning and snow clearing to watering. With the MC 130, MIC 70 and MIC 50 - vehicles based on the same platform - we provide the right solutions for all requirements.

The requirements of operators and fleet managers took centre stage in the development of these innovative vehicles.



#### **Tailor-made solution**

- 8 Individualisation
- 9 Quick-change system
- 10 Hydraulics and steering
- 11 Ideal dimensions, full traction

#### **MC 130**

- 12 The 3.5-tonne sweeper
- 14 Functionality and safety
- 16 The intelligent sweeping system

#### **MIC 50/MIC 70**

- 18 The universal specialists
- 20 MIC 50 - Functionality and safety
- 22 MIC 70 - Functionality and safety

#### **Application possibilities**

- 24 Unlimited diversity

#### **Your Kärcher**

- 26 Innovative Services

# DRIVE KÄRCHER. DRIVE INTO THE FUTURE.



Let us shape the future together. We have taken the first step for you. With the MC 130, MIC 70 and MIC 50 - developed on the same platform -

we give you tailor-made solutions and set new standards for efficient working. You are now only one small step away from your ideal vehicle.



TASK	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mowing and mulching				■	■	■	■	■	■			
Sweeping			■	■	■	■	■	■	■	■		
Wet cleaning and watering			■	■	■	■	■	■	■			
Removing leaves and weeds		■	■	■							■	■
Winter service	■	■									■	■
Transport	■	■	■	■	■	■	■	■	■	■	■	■

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3



4

*Danfoss*

**WE**  
WÜRTH ELEKTRONIK

**BUCHER**  
HYDRAULICS

**Rexroth**  
Bosch Group

**KNOTT**  
BREMSEN • AXLEN

**Webasto**  
Feel the Drive

**Kubota**

**GRAMMER**

5

## What you can expect from our vehicles:

### 1 Young drivers can also use the MC/MIC

The newly developed MC 130 and MIC 50 with a total gross vehicle weight of 3.5 tonnes offer maximum payload and can be driven with a category B driving licence.

### 2 Versatility brings high efficiency

The year-round versatility of these vehicles ensures a high level of utilisation and efficiency. In addition, the numerous machine combinations offer a wide range of professional solutions for every application.

### 3 It is important to be environmentally-friendly

You can use our quiet vehicles all year round, particularly in noise-sensitive areas and also at night in winter service. Low fuel consumption and low emissions contribute to protecting the environment.

### 4 Comfort and safety, as you like it

Choose optimal space conditions and either a one- or two-person cab, naturally ROPS-tested. Choose safety thanks to an unrestricted 360° all-round view, permanent hydraulic four-wheel drive (if required with traction control and differential lock) and braked hydraulic machine drive.

### 5 Designed to last

By using exceptionally high-quality and durable components, you profit from high value stability and low overall costs.

# THREE SOLUTIONS ON AN EXTREMELY ROBUST PLATFORM



**MIC 50 - single seater for use all year round**  
Universal implement carrier for use with particularly heavy front-mounted attachments, such as front loader, auger or snow thrower.



**MIC 70 - compact powerhouse for large tasks**  
With 15 kW (20 HP) more power than the MIC 50, the MIC 70 has the right power for a variety of uses with heavy implements.

The concept of a joint platform for different vehicles comes from the automotive industry. We have realised this concept for the first time for municipal vehicles and use identical chassis for the MC 130 and its sister models, the MIC 50 and MIC 70. In this way, we are able to use even better components for the same production costs. And our customers have greater benefits for the same price. Operation is also more economical, because numerous identical parts provide cost advantages for spare parts and service. Owners of several MC/MIC vehicles profit even more with every Kärcher vehicle they own.



**MC 130 – two-seater sweeper**

This versatile vehicle is designed for sweeping all year round.



# PRECISELY THE VEHICLE YOU WANT

The frame, drive and four wheels are standard features.  
Everything else can be configured to meet your specific needs.







### **Robust – so that your investment is secure**

The supporting frame of the MC 130 and MIC 50 is a thick-walled special construction derived from the world of construction machinery. This sturdy frame with high-quality corrosion protection reliably supports all vehicle components and attachments and is ideal for unrestricted winter service. The axle loads are the same at both the front and rear and allow heavy attachments to be mounted at the front all year round – which is a definite advantage not just in winter.



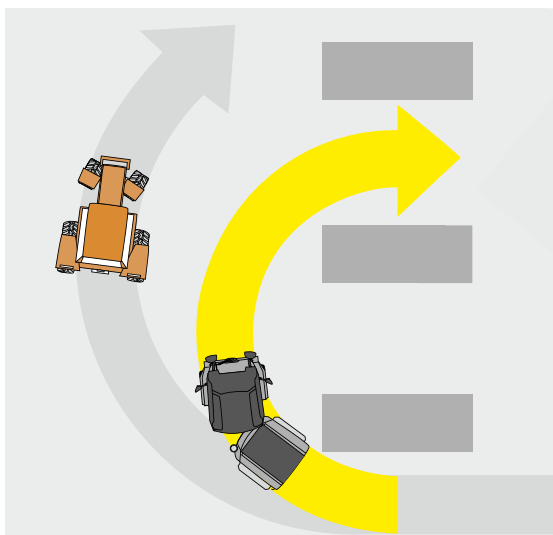
### **Quick-change system**

The best solution is the one that makes life easier. For the MC 130 and MIC 50, we have developed a quick-change system that lifts or lowers the attachments hydraulically. No rows of spindles that need to be adjusted manually. Lowered attachments are secured with supports. These supports are over 30% lighter and remain under the limit of 20 kilograms required by the Employers' Liability Insurance Association even with braked rollers. The MC 130 and MIC 50 are fully operational vehicles – with no limitations.



### **Simple – for one-man operation**

The sweeping unit with brush and complete suction mouth construction can be completely removed without tools by one person.



#### Powerful – enough power when needed

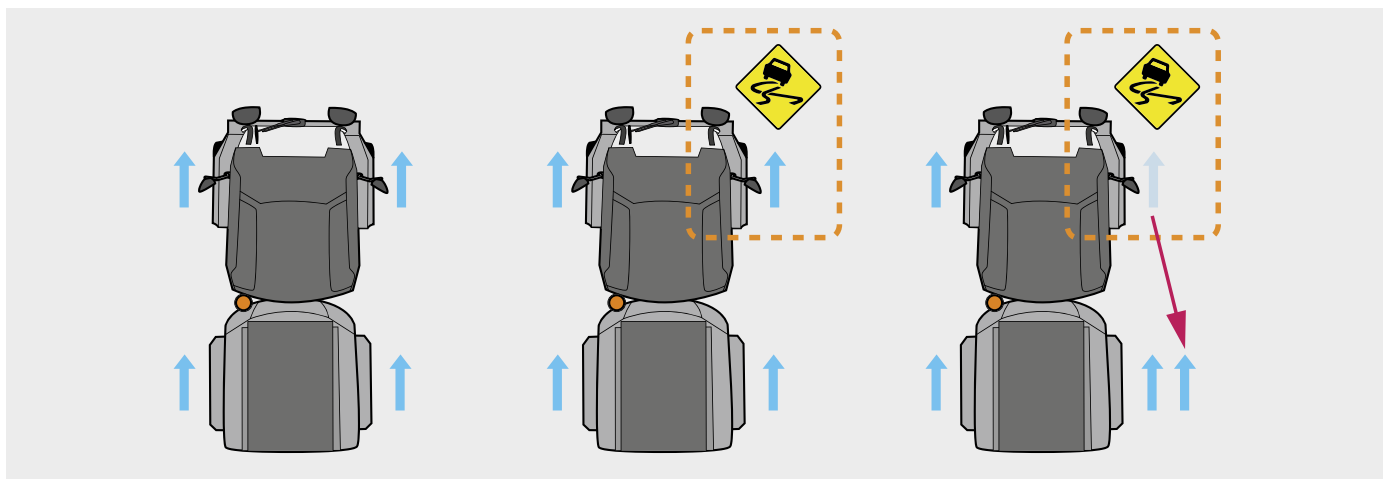
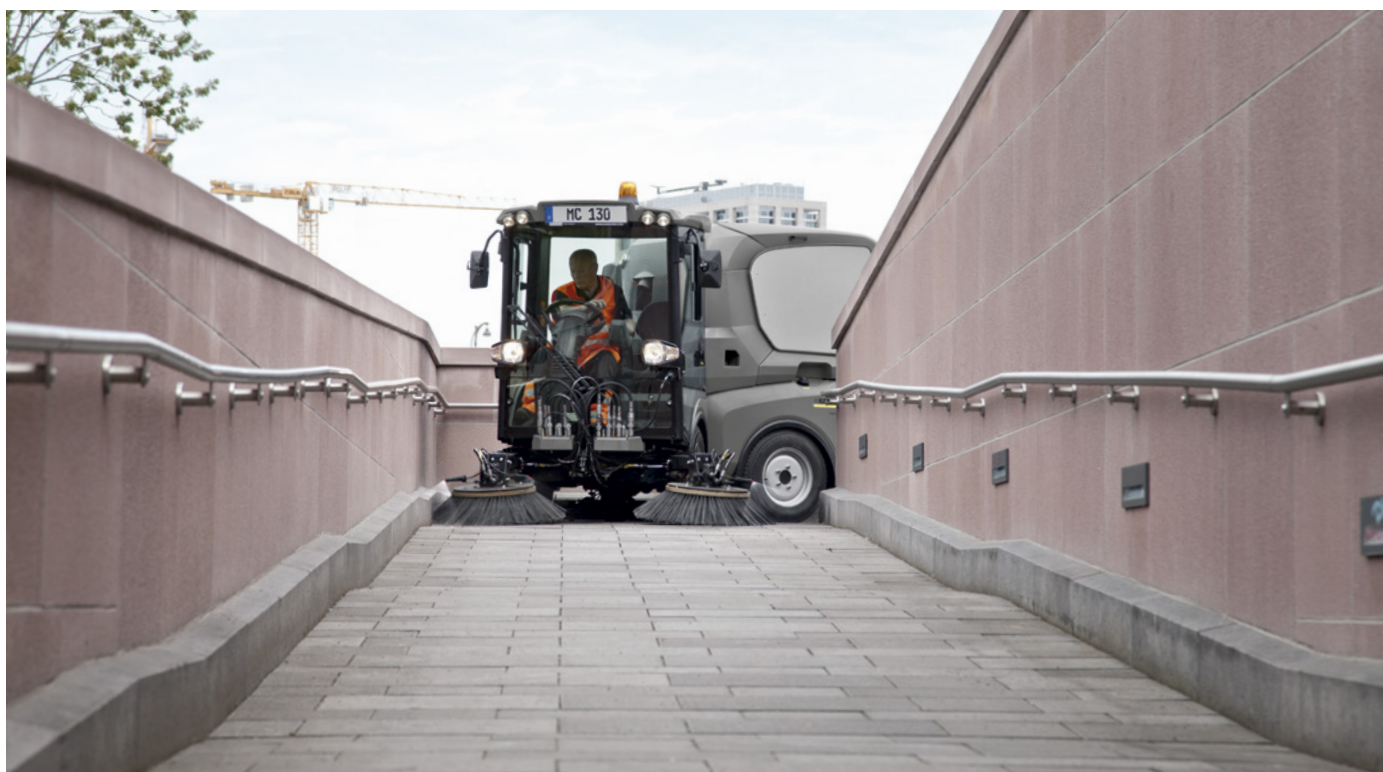
The powerful hydraulic system effectively transfers the engine power to the various implements. This enables lighter work to be carried out at a reduced engine speed. The hydraulic system is virtually maintenance-free, which facilitates working and implement changing.



#### Articulated steering – for greater manoeuvrability

Manoeuvrability is good. High manoeuvrability is better: extreme manoeuvrability thanks to articulated steering and 100% tracking stability is what Kärcher is all about. Because with our vehicles with articulated steering, the rear part of the machine follows the front part with 100% stability. Every kerb and every obstacle can be negotiated without the risk of collision, which makes these machines so versatile.





#### Brakes as safely as it drives

Both the MC 130 and MIC 50 are available with permanent hydraulic four-wheel drive, traction control and differential lock on request. The powerful braking system and an automatic hydraulic parking brake ensure highly reliable performance at all times.

#### Compact for versatility

Do you need a narrow, possibly short and low machine? With low access and low centre of gravity? If so, we have the perfect solution. Both models are very narrow (width from 1.20 m), very short (length from 2.85 m) and very low (height below 2 m). You will be impressed.

# MC

The MC 130 is a sweeper in the 3.5-tonne class offering exceptional implement carrier features. The powerful MC 130 efficiently sweeps grit or leaves under all conditions all year round – leaving surfaces perfectly clean.



**With effective air calming in the waste hopper and additional dust binding measures, every MC 130 operates with extremely low particle emissions (PM10) and is EU-certified.**

The two-person cab has enough space for a further person and does away with the need for further vehicles when working in groups. This cab is ROPS-tested and offers the highest level of comfort with modern safety features.

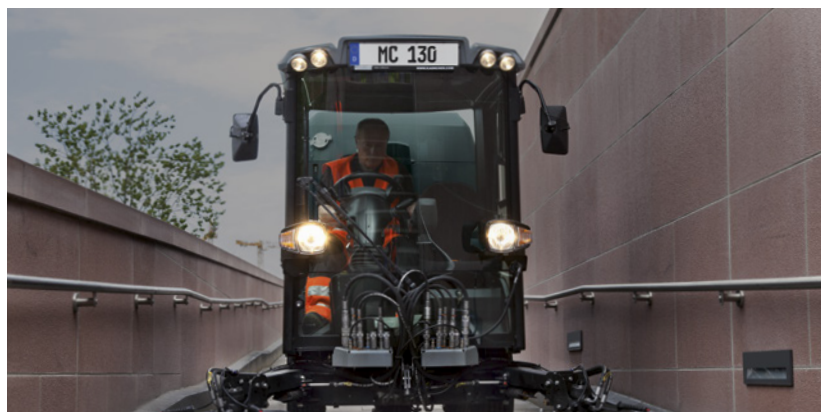
#### **The feel-good cab**

The spacious two-seater cab with a forward tilted windscreen and low floor has plenty of headroom. The low floor makes it easy to climb in and out.

#### **Perfect all-round visibility**

With the cab placed at the front, the driver has a clear view of the working area and outer edge of the implements. An important contribution to safety, particularly in confined spaces.





#### **A clear view**

The standard heated windscreen ensures clear visibility also under extreme conditions for safe driving on roads.

#### **As bright as day at night**

In addition to the two driving lights, up to six work lights illuminate the working area, making it as bright as day.

#### **Ideal working climate**

As a year-round vehicle, the MC 130 has powerful heating with perfect air flow. The MC 130 is also available with modern air conditioning and heated driver's seat on request.

#### **Refreshingly cool**

If your MC 130 has air conditioning, it comes with a chilled lunch box. This enables you to enjoy chilled drinks and snacks even at the height of summer.

# MC 130. SIMPLE. STRONG.





The best workplace is one configured for your needs. With its innovative operating concept, the MC 130 offers drivers the opportunity to configure operation to suit their particular needs. This makes it easier to use all of the operating features the machine has to offer. The MC 130 is also easier to service. All panels can be removed quickly and easily to gain access to the vehicle components.



#### **Ergonomically arranged control elements**

With the MC 130, the operating system of the 5-tonne class has been brought into the 3.5-tonne sweepers, which can be operated with a category B driving licence. All sweeping parameters can be adjusted individually to suit the particular cleaning task: brush speed and contact pressure and, as an option, for each brush individually. The brush position can be controlled via two independent joysticks. This also applies to the suction fan speed, water regulation (fresh and circulating water) and separate lifting/lowering of the suction mouth. And via the ECO button, the last parameter settings are automatically activated when the vehicle is started. For maximum comfort and even more economical use.



#### **Ultimate central information hub**

All operating and service information is shown on the central display on the steering column where it is clear and easy for the driver to read. This screen is also used for images from the two available cameras, a reversing camera and a suction mouth camera.

# THE SWEEPING SYSTEM FOR THE MOST DEMANDING JOBS

## Protection in every direction

The plate brushes have multiple protection against collision damage: in a longitudinal direction by means of a pretensioned spring, in a transverse direction by means of hydraulic shock valves and additional mechanical shearing bolts.



## Guided brushes sweep longer

The parallelogram guided brush arms ensure uniform brush wear during operation – without the need for readjustment. This increases the life span of the brushes and efficiency. Incorrect adjustment is impossible.

## Cab-controlled operation

With the MC 130, the brush contact pressure and speed are controlled from the cab. An individual brush control option is also available on request.



## Effective mouth protection

The suction mouth with automatic coarse dirt flap is protected within the contour of the front wheels and is automatically lifted when negotiating curbs, etc. The suction mouth is automatically lifted hydraulically when reversing. This prevents collision damage to a large extent.

## Blocked? Simply clear it.

Despite the generous diameter of the suction hose, there is always the possibility that it can be blocked by fallen branches, e.g. in the autumn after storms. The suction hose can be disconnected without tools and quickly reconnected after cleaning.



#### **Ideal for binding dust**

For effectively binding dust, clean and circulating water can be sprayed onto the brushes and suction mouth from the cab. Fresh spray water is taken from the large capacity fresh water tank. Circulating water also flows from the waste hopper to the suction mouth via a hydraulically operated valve, which is automatically opened and closed while sweeping. The valve is easily accessible and can be removed for daily cleaning without tools.

#### **Flawless and efficient**

The large-capacity waste hopper made of V2A stainless steel is equipped with a water-circulating sieve over the entire fill height. The hinged exhaust air sieve facilitates cleaning. The cover, which opens hydraulically, enables bulky material to be collected and excess water to be easily drained. And when used with a mower, the waste hopper becomes a container for grass cuttings.



#### **Powerful thanks to turbopower**

The suction turbine made of an innovative composite material is aerodynamic and operates far more efficiently in terms of reduced fuel consumption. Dynamic effects, such as the much easier starting of the turbine, reduce fuel consumption, protect the drive and reduce operating noise.

#### **Together even quieter**

The suction turbine is fully encapsulated below the dirt hopper. This intelligent solution effectively reduces engine and suction turbine noise. This solution is technically and economically ideal.



#### **High pressure? Of course.**

When you drive a Kärcher, a Kärcher high-pressure cleaner is included. The high-pressure cleaner is supplied from the spray water tank and is used for spot cleaning while sweeping. It can also be used to clean the sweeper. The high-pressure cleaner can be used for more comprehensive cleaning tasks in conjunction with an alternative water tank.

# MIC

Municipal services are provided for the public all year round. The same is true of your MIC 50 and MIC 70, from green care in summer to winter service in ice and snow. The MIC 50 and MIC 70 effortlessly meet the diverse challenges faced by local authorities and municipal service providers. These vehicles are very easy to drive and operate. It has never been easier to keep everything clean and tidy throughout the year.



**A decisive factor is always the implement coupling system. With the MIC 50 and MIC 70, you can choose between three tried-and-tested systems for use at the front and rear.**

Firstly, the three-point system, which can be infinitely adjusted from CAT 0 to CAT I. Secondly, the four-point hitch derived from the wheel loader with quick-locking system, which makes it easy to connect different implements to the respective hydraulic lift systems. And finally, there is the option of permanent attachment to the vehicle chassis – a typical Kärcher feature.

#### **Success needs the right drive**

Depending on your specific requirements, the electrically controlled traction drive (40 km/h) with cruise control or the mechanically controlled traction drive (30 km/h) might be the right choice for you. Both drives have several speed settings for precise selection to suit the particular application.

#### **Simple selection. Immediate and automatic.**

The hydraulic four-wheel drive distributes the power evenly and allows fast changing between forward and reverse. This saves time and protects the machine.





#### **Safe at any speed**

Variable speed adjustment combined with optional traction control ensures safe and precise working. The MIC 50 and MIC 70 are also available with a hydraulic differential lock, which ensures optimal traction on uneven surfaces.

#### **Safely parked**

A spring-loaded parking brake, as used on trucks, and permanent four-wheel drive ensure that the MIC 50 and MIC 70 are safely parked even under adverse conditions.

#### **Feel at home straightaway**

The clearly arranged control console with joystick (alternatively with 3 levers) is divided clearly into functions, enabling even inexperienced operators to drive and work safely. And the optional adjustable armrest adds to the overall operating comfort.

#### **Powerful working hydraulics**

With a flow rate of up to 80 l/min<sup>-1</sup> (MIC 50) and 100 l/min<sup>-1</sup> (MIC 70), both MICs are ready for a variety of applications.

# MIC 50



## Climb in and feel at home

The spacious cab offers plenty of headroom due to the seat being located towards the rear and the low floor. The low floor makes it easy to climb in and out. The inward-drawn A-column provides the driver with a clear view of the working area and attachments. The optional heated windscreen ensures perfect visibility also under extreme conditions, thus increasing safety when driving on roads.



The MIC 50 offers a modern, attractive workplace. This includes powerful heating with perfect air flow. The MIC 50 is also available with modern air conditioning and heated driver's seat on request.

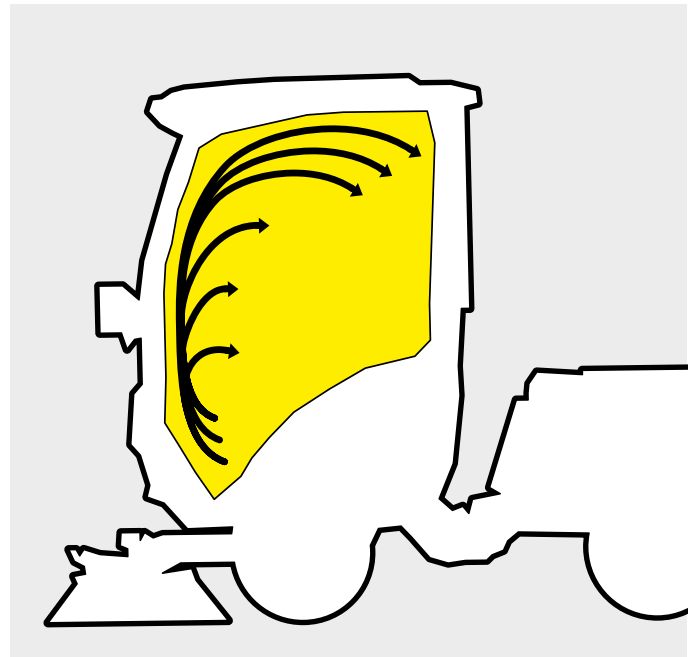
In addition to the two driving lights, up to six work lights illuminate the working area, making it as bright as day. It goes without saying that the cab is ROPS-tested.

#### **Perfectly on track**

Configure your MIC 50 to suit your needs. Various tyre options are available: from very narrow tyres for use on pavements up to extra-wide tyres that protect turf while mowing. Options also include tyre treads for different seasons.

#### **Smooth oil instead of hard steel**

Providing the MIC 50 with a powerful hydraulic system offers numerous advantages. The hydraulics enable simple implement changeover and sustainable safety through active braking of the attachments. Implements can be actively braked quickly via an emergency switch and hydraulic brake valves. Compared with rigid universal shafts, a hydraulic power transmission requires far less maintenance and offers far more safety at a considerably lower noise level. The lubrication normally required for universal shafts is no longer necessary. Apart from changing the hydraulic oil and filter at extended intervals, the hydraulic drive is maintenance-free.



# MIC 70



## A big mover

The MIC 70 can lift an impressive 600 kg, up to a maximum height of 2,030 millimetres. You can potentially save money which would otherwise be invested in a wheel loader, which could often end up being rarely used, or even sell yours. And with the optional pallet fork handler, the MIC 70 becomes a forklift for indoor and outdoor use. A very strong unit.



The MIC 70's powerful four-cylinder turbo diesel engine producing 48.5 kW (66 HP) complies with the exhaust emissions standards STAGE IIIB and EPA Tier 4 final. The direct injector impresses with low fuel consumption and low exhaust levels thanks to the diesel particulate filter.



**A complete overview at all times**

The display in the cockpit shows you all the information you need, such as speed, fuel tank level, motor speed and the status of the diesel particulate filter. Using the display, you can also limit the maximum flow rate of the working hydraulics in order to protect implements with low oil requirements from overpressure and wear and tear.

**Impressively large shovel**

With a width of 1,400 millimetres, the MIC 70's shovel offers a capacity of 450 litres. The best prerequisites for loading, moving or distributing loose bulk material such as bark mulch, sand or soil. The MIC 70 is Kärcher's own development and unique in the area of implement carriers. Rear weights are required. And with the optional pallet fork handler, the MIC 70 becomes a forklift for indoor and outdoor use.



# VERSATILITY ALL YEAR ROUND



**Experience the fascinating versatility of the MC 130, MIC 70 and MIC 50 in use.**

Simply scan the QR code – everything else is automatic.

**MIC 50/MIC 70**  
Winter service



**MIC 50/MIC 70**  
Green care







**MC 130**  
Winter service



**MC 130**  
Sweeping



# YOU MANAGE YOUR BUSINESS. WE PROVIDE THE SUPPORT.

Things can be much easier when people combine their talents. Pursuing goals together, complementing one another and learning from one another make it so much easier to achieve success. One could call it the principle of progress. We call it Kärcher Services. A promise of partnership. By professionals, for professionals.



## **Kärcher Fleet – Fleet management**

Branch-specific data acquisition and evaluation. Evaluation of machine data enables the documentation of services provided to clients as well as business planning and evaluation.

## **Kärcher Service – Customer service**

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

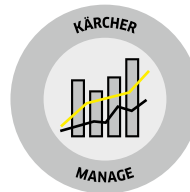
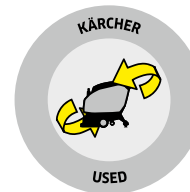
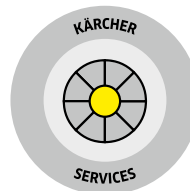
## **Kärcher Lease – Leasing**

Tailor-made. Flexible. Secure. We provide the flexibility you need: with leasing and financing models to suit every requirement.

## **Kärcher Rent – Rental**

Precisely the machine you need. Rent instead of buy. And get more: know-how and the Kärcher Full Service package.





### Kärcher Maintain – Service packages

Every service package is precisely tailored to suit specific needs. The scope of services ranges from inspection as part of mandatory safety testing to maintenance at date due or the flat-rate Full Service.

### Kärcher Used – Used machines

If used is what you need. New start-up? Or just saving costs? We have the right used machine for you. Used, generally overhauled, good and affordable. Our range is constantly changing. Just ask us.

### Kärcher Manage – Facility Management

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

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