

Cleaning Technology · Municipal Technology

Hako
Clean ahead



Everything for a clean environment

Our commitment to people, nature and climate

BLUECOMPETENCE
Alliance Member

Partner of the Engineering Industry
Sustainability Initiative



Hako symbolises performance, quality and environmental protection.

Since the beginning of 1948, Hako has been associated with particularly high-performance, long-service products. This has made us one of the leading manufacturer's of top quality technology for indoor and outdoor cleaning, for grounds maintenance and multipurpose attachment supports and transporters. We are also one of the leaders in this market sector with regard to environmental protection, which we have been committed to for decades. Consideration for the environment is integrated our business activities starting from the far-sighted planning phase to sustainability of manufacturing and on to low-pollution operation and recycling of resources. Helping to maintain nature's beauty, diversity and uniqueness is an incentive to be even more considerate to the environment and climate in future.



Sustainability over the entire product life cycle

Hako provides for a clean environment right from the start



*We are a company with tradition –
in environmental protection too*

Here at Hako, we recognised the sign of the times at an early stage and placed sustainability at the focal point of our business activities – based on the premise that we do not simply want to leave a superficially clean environment behind. A conscious awareness of the environment has developed further, quite naturally and as a matter of course. This commitment was honoured in 1994 by being awarded the Environment Prize from the Stormarn Cultural Foundation for an exemplary

waste prevention and disposal concept. Since 2004, Hako has also been certified in compliance with EN ISO 14001. Not only the environment profits from our dedication but also the users because this commitment pays dividends economically in the long-term – for example, through a healthier working environment, lower energy costs, durable products which retain their value with low consequential costs and even in the area of disposal fees.



For us, environmental protection begins at the concept phase for a new product and influences our business activities up to the moment where a machine can no longer be repaired and is sent for recycling.

Construction with far-sighted planning

At Hako, environmental protection begins during product development. Our engineers, for example, pay close attention to the use of environmentally-friendly materials and later disassembly and recycling options. Other focal points of development work are attention to simple maintenance and repair, which are basic conditions for a long, economic service life. This includes the selection of high quality, durable components. In addition, the engineers are constantly working on ways to reduce emissions of exhaust gas, dust and noise as well as the

consumption of water and chemicals during cleaning. Many Hako machines are available today equipped with zero-emission electric drives – this range will steadily increase in future.

Machine production oriented on sustainability

Economic manufacturing is a major part of the environmental balance. Therefore, attempting to save more energy and reduce more emissions become component parts of our everyday work. Environmentally friendly procedures, such as painting using water-based paints or solvent-free processes such as powder coating, are in line with these demands.

Fulfilling directives to protect human beings, nature, air and water becomes automatic.

Material recycling to save resources

Before the recycling phase, a product must have enjoyed a long service life – a result of using high quality materials and production methods as well as regular, specialist maintenance. At the end of their service life, Hako products show their environmental compatibility for the last time: through easy disassembly, single-variety materials and their simple recycling.

Even more environmental protection and efficiency

Innovations positive to the environment and the controller



At Hako, we aspire to improve with each day. Constant contemplation, observation and experimentation generate a continuous flow of pioneering, innovative solutions which help the environment, help increase your efficiency and, incidentally, help make us feel more satisfied – a little more each day.



Hako-AquaControl

Hako-AquaControl can be used, for example, to programme the water supply to be stopped automatically when the vehicle stops and the last setting is saved by the Memory function ensuring dosing is precise at all times. The Hako-AquaStop® water retaining rings hold the cleaning solution longer at the point where needed and exploit it better. This reduces both environmental pollution and costs. Confirmed and certified by TÜV.



Hako-LessChem

Hako LessChem stands for saving cleaning agents. The saying “the more the better” is not always true. On the contrary. The tailor-made Hako dosing and filling systems rule out any superfluous dosage from the start. Cleaning remains reliable using minimum quantities. Products such as the highly concentrated cleaning agent Cleanol SE ECO, which has been awarded the European eco-label, reduce pollution even more.



Hako-AquaForce®

Hako-AquaForce® means cleaning using demineralised water. You can dispense with expensive cleaning agents because demineralised water dissolves and loosens dirt better and reduces the potential of resoiling.



Hako-AntiBac®

Hako-AntiBac® is an optional antibacterial feature of the waste water tanks in our Hakomatic machines. It increases the level of hygiene in sensitive areas, such as hospitals or food processing plants, and simultaneously reduces the quantity of disinfectant used.



Hako-CleanAir

Hako CleanAir represents our initiatives for lower emissions in the area of use. For example, this includes the use of low-CO₂ LPG drives for indoor areas, catalytic converters and fine particulate filters in diesel vehicles or high-performance electric drives implementing applicable battery technologies.



Euro 5 und EEV

Many Hako and Multicar vehicles already fulfil the requirements demanded for Euro 5 and even the stricter EEV standard. This means a green light for vehicles with powerful turbo-diesel engines and fine particle filters for use in environmental zones whilst reducing moderate CO₂ consumption and operating costs.



Hako-BioOil

Hako BioOils, high-performance lubricants manufactured from renewable raw materials, are the environmentally-friendly, technically equivalent alternatives to mineral oil based oils, whereby Hako BioOil has the additional benefit of fast, biological degrading.



Hako-Chemical On Demand

By applying the Hako Chemical on Demand feature, cleaning agents are only implemented when they are actually needed. In the case of low-level soiling, cleaning can be completed economically without any need for cleaning agents.



Hako-PowerFilter

The highly developed Hako PowerFilters for low-dust sweeping remove up to 99.5 % of particles from the exhaust air. The special R²S filter cleaning technology enables simple maintenance. Hako urban cleaning vehicles have been tested and certified regarding particulate matter according to EUnited Test PM 10.



Hako-LowNoise

The Hako LowNoise feature ensures noise does not cause stress. The Silent Kit is available, for example, for indoor cleaning machines and special optional equipment for the Citymaster which enables its deployment in sensitive areas either at night or beyond the restrictions stipulated in the German Noise Prevention Regulations.



Hako-LongLife

A long service life is ensured for all Hako machines thanks to their constructional features, the selection of components and overall quality. This provides you with the highest levels of availability and long service life even when used in the hardest conditions. The sustainability is considerate both to resources and your investment budget.



Hako-REACH

All cleaning products from Hako comply with national directives and the EC Regulation on Chemicals, REACH. In this case, the production and ingredients are continually monitored. This ensures that our cleaning agents are not only effective and economical in their use but also very safe.



Hako: environmental-friendly right from the start

It is our legacy to leave behind a clean planet. That is why resources-, environmental- and climate protection characterizes each and every process at Hako which has been certified by independent institutions. Learn more about our on-going commitment at www.hako.com.

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Everywhere and close by

Our efficient sales & service network guarantees close proximity and rapid help - worldwide.

Cleanliness combined with safety

Our machines meet the highest standards. Reliable quality "Made by Hako."

Buying, leasing, renting

We offer you many individual and attractive financing options.

We are available 24/7

Hako's spare part express and on-call service guarantees best possible availability.



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