

Cleaning Technology  
Municipal Technology  
Waterjet Technology

**Hako**

## **SCRUBMASTER**



*Hako walk-behind  
scrubber-driers*

*Excellent mobility for  
maximum cleanliness*

**Scrubmaster B75 i**  
*Autonomous*

**Scrubmaster B5**

**Scrubmaster B8**

**Scrubmaster B12**

**Scrubmaster B25**

**Scrubmaster B30/B45**

**Scrubmaster B70**

**Scrubmaster B90 CL**



Clear, intuitively arranged control panel

Scrubmaster B5

Solution and recovery tank removable via the carrying handle

Articulated ball for effortless forward, backward and sideways movements

### DELTA Cleaning System®

Triangular, flat cleaning head allows cleaning close to walls and right into corners!

## Compact, highly manoeuvrable – always the perfect solution!

From the dynamic machine for cleanliness in every corner to the hygiene specialist for demanding work environments to the autonomous cleaning system providing the independent and safe execution of cleaning tasks: Hako's walk-behind scrubber-driers ensure the best cleaning results. With a wide range of working widths, high area outputs and numerous options for more working comfort, efficiency and hygiene, we offer the right solution for every application.



Scrubbing units for every type of floor available for cylindrical or disc brushes

## The future cleans autonomously

With the new Scrubmaster B75 i, Hako has developed an autonomous scrubber-drier that saves time, effort and resources and meets all cleaning requirements with high quality and safety. And to further increase autonomy in everyday use, a docking station for battery charging, emptying the recovery tank and filling the solution tank with fresh water is available. For excellent cleaning results with minimal effort for the cleaning staff.



Scrubmaster B75 i

### A whole series of benefits

Ease of use, ergonomic steering bar, and clever details that simplify your work routine: Each walk-behind scrubber-drier offers outstanding comfort for efficient working days as a standard!



Scrubmaster B5    Scrubmaster B8    Scrubmaster B12    Scrubmaster B25  
Scrubmaster B30    Scrubmaster B45    Scrubmaster B70    Scrubmaster B90 CL

# Perfect for every application

From confined areas in restaurants, and narrow aisles and check-out areas in retail shops to hygiene-sensitive areas in hospitals or nursing homes: The demands placed on professional indoor cleaning are as diverse as are the fields of application. With a wide range of optional extras available, our Scrubmaster walk-behind scrubber-driers can be perfectly adapted to meet your individual requirements. And thanks to numerous sophisticated standard features, our scrubber-driers are always the perfect choice for both fleet managers and operators.



## More efficiency per m<sup>2</sup>

The combination of high-quality components and clever details guarantees low operating costs and increased efficiency for environmentally friendly cleaning with excellent results.



## Back-friendly working

The ergonomic design of Hako's walk-behind scrubber-driers ensures fatigue-free working and a good view onto the machine and the working area.



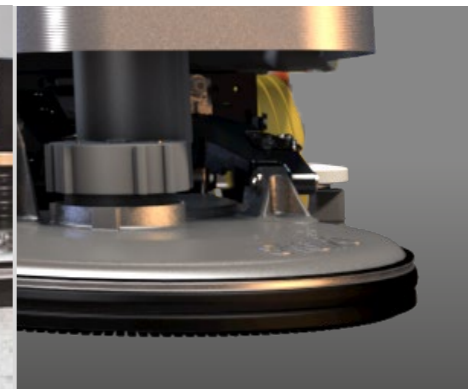
## Available from 33 cm working width

High-tech in a compact design: Hako's range of walk-behind scrubber-driers offers solutions that no conventional scrubber-drier can provide.



## Flat brush unit

The flat, protruding brush unit is only 10 cm high to ensure perfectly clean floors even under shelves and counters.



## Hako-AquaControl

Saves up to 50 % water: Hako-AquaControl ensures correct dosing and stops the water supply automatically when the machine stands still.



## Anti-foam system

The flow-optimised design of the tank prevents foam build-up.



## Intuitive operating panel

The clearly arranged operating panel with easy-to-read icons shortens initial training times and provides ease of use. Hako's 1-button operating system starts all cleaning functions at the push of a button (only with Scrubmaster B90 CL).



## Automatic disc brush change

Brush ejection and pick-up made easy: with the automatic Hako disc brush ejection and pick-up system.



**More hygiene:**  
The optional antibacterial tank coating Hako-AntiBac® reduces the development of fungi and bacteria in the tank.



**Save up to 50 % water:**  
Thanks to intelligent brush systems and automatic water stop when the machine is at a standstill.



**Sustainable:**  
With components made from industrial recycle, we fulfil our claim to manufacture products in a more environmentally friendly way.



**Energy-saving and extremely quiet:**  
Thanks to scrubber-driers operated in ECO mode with up to 30 % less power.



**Needs-based:**  
Cleaning chemicals are only used when they are really needed.



**Less chemical consumption:**  
No incorrect dosing and reliable cleaning with small quantities thanks to intelligent dosing systems.



**Excellent comfort:**  
Ergonomic design for back-friendly, fatigue-free working.



# Scrubmaster B75 i



## Autonomous scrubber-drier

The Scrubmaster B75 i cleans learned routes autonomously, reliably and safely. The 3D camera system and certified LiDAR sensors not only enable efficient navigation, but also compliance with safety standards. Operation and learning new routes are as simple as they are intuitive. Another advantage: For quick cleaning jobs in between, the Scrubmaster B75 i can also be operated manually as a conventional walk-behind scrubber-drier – and is particularly ergonomic thanks to the extendable handle.



### Always the right system:

Equipped with a disc brush system or cylindrical brush unit and two additional side brooms with Dust Stop for dust- and fine particulates-reduced sweeping and wet cleaning in a single working step.

### Increased productivity, less effort

The Scrubmaster B75 i performs cleaning tasks autonomously at any time of the day or night – efficiently and safely, saving time and resources. Even after the cleaning journey is completed, the machine can perform all tasks at hand independently: for example, by driving to the docking station (can also be retrofitted) for battery charging, emptying the recovery tank or filling the solution tank with fresh water. Also optionally available: the Clean Guard front shield for unimpeded cleaning in areas with an increased amount of course dirt.



Technology that learns: Mapping technologies allow routes to be recorded and stored during the cleaning journey. The machine can be intuitively operated and programmed via an 8-inch touchscreen.

### True to track

Autonomous cleaning systems follow the learned route with high repeat accuracy, which not only results in improved cleaning results, but also significantly reduces water consumption as well as the consumption of chemicals, electricity and materials.

### Benefits and features at a glance:

- Autonomous driving and cleaning with innovative, image-processing technology
- Simple, intuitive route learning
- Compliance with safety standards
- With disc or cylindrical brush
- Can also be used as a conventional walk-behind scrubber-drier
- Ergonomic in manual operation



# Scrubmaster B5



www.agr-ev.de

## Upright scrubber-drier

With its innovative Hako-Delta-Cleaning-System, the Scrubmaster B5 makes even narrow and angled areas accessible for machine-assisted cleaning – with great agility, excellent manoeuvrability and little effort on the part of the operator. The flat, delta-shaped cleaning head enables cleaning close to walls, right into corners and under superstructures and furniture with a floor clearance of as little as 120 mm. And the ergonomic, dynamic operating handle optimally supports the user in his/her movements.



## DELTA Cleaning System®

### Innovative and unique!

Thanks to the patented Hako-Delta-Cleaning-System with orbital drive, the user can approach even narrow areas precisely and effortlessly, while the neutral propulsion allows him/her to determine the working speed at all times.



All medium-carrying parts, such as the hoses, can be easily replaced and cleaned. And the antibacterial tank feature Hako-AntiBac® makes the cleaning process even more hygienic.

### Perfectly shaped

The lithium-ion battery is designed to fit exactly on the delta shape of the brush unit to allow quick and easy battery changing.



### Benefits and features at a glance:

- Innovative Hako-Delta-Cleaning-System with neutral propulsion
- Ultra-flat, delta-shaped cleaning head for cleaning close to walls and under furniture
- Particularly manoeuvrable and agile
- Award-winning ergonomics: AGR quality label – awarded for particularly back-friendly, fatigue-free working
- Low water and power consumption and wear-resistant working tools
- With Silent mode for noise-sensitive areas



At the push of a button  
Easy-to-read symbols  
ensure intuitive operation.

## Scrubmaster B8/B12

### Small enough to get into every corner

The Scrubmaster B8 provides excellent results in confined areas that cannot be accessed by conventional scrubber-driers – for example in restaurants, canteens, sanitary facilities, or small shops. With its compact dimensions, 33-cm working width, 2 x 8-litre solution and recovery tank and flexible steering bar, this machine cleans both forwards and backwards with optimum efficiency.



### Lightweight and handy

The Scrubmaster B12 is equipped with a disc brush unit that protrudes on both sides. This enables working close to walls and edges, and saves both time and effort for laborious rework. For perfectly cleaned hard floors with smooth surfaces. This machine is extremely manoeuvrable and can work even in confined, cramped areas. With its low weight and foldable steering bar, the scrubber-drier can be transported in the boot of a car.

#### Features and benefits at a glance:

- Equipped with a cylindrical (Scrubmaster B8) or disc brush system (Scrubmaster B12)
- 33 or 38 cm working width
- Area performance up to 1,500 m<sup>2</sup>/h
- Low weight, easy to transport
- Foldable steering bar



**Saves water:**  
Through intelligent brush systems  
and automatic water stop at  
machine standstill

## Scrubmaster B25 / B30 / B35 CL

### The basis for cleanliness

The Scrubmaster B25 combines high performance with ease of use in a compact form. With Powerflow drive, an ergonomic design and high operating comfort, the machine effectively supports the user in his/her daily work. The ergonomically shaped, adjustable handle bar enables back-friendly working. With a working width of 43 cm, floors can be cleaned quickly, efficiently and thoroughly with a disc brush or pad – even in Eco mode with reduced power, minimised consumption and reduced noise emissions.



The operating bar can be quickly adjusted to suit the operator.



### Good for the environment

The tanks are manufactured from industrial recyclate. This increases the recyclability while maintaining the same quality.



### For reliably excellent results

The compact Scrubmaster B30 is ideal for thorough scrubbing and drying of small to medium-sized floors, for example in retail shops, local authority buildings, hotels and restaurants, or workshops. With its high variability, this machine offers the perfect solution for every application, while intuitive operation and sophisticated ergonomics ensure efficient working

### Benefits and features at a glance:

- Equipped with a disc brush or pad (only Scrubmaster B25)
- 43 cm working width
- Area output up to 1,900 m<sup>2</sup>/h
- Compact and manoeuvrable



# Scrubmaster B45 / B45 CL/CLH

## Increased flexibility

Four different brush units available in various working widths, different battery systems, and a wide range of optional extras: The Scrubmaster B45 offers the perfect solution for every application. In addition, this machine is extremely manoeuvrable, and its compact dimensions and optimised design allow uncomplicated turning even when working close to walls.



Hako-AntiBac® for antibacterial tanks

Brush unit protected against collision



Hand spray wand for special cleaning tasks (option)

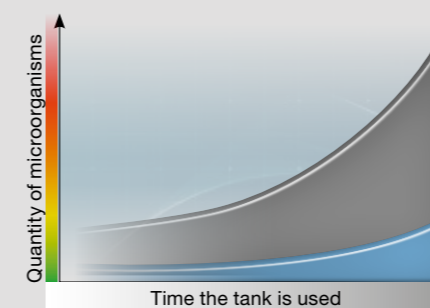
Area output up to 2,300 m<sup>2</sup>/h

## For increased hygiene requirements

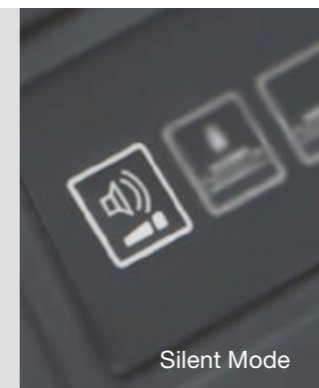
The Scrubmaster B45 CLH is specially equipped for working in hygiene-sensitive areas: with Hako-AntiBac® for improved hygiene, minimised odour development, and reduced costs due to the lower consumption of tank-cleaning disinfectants. Equipped with Silent Mode, which reduces the speed of the suction motor to ensure low-noise working, this model is ideal for cleaning hospitals and nursing homes.



The antibacterial properties of Hako-AntiBac® protect the plastic material of the tank and reduce the development of fungi and bacteria.



with Hako-AntiBac®  
without Hako-AntiBac®



Silent Mode



## Preventing. Cleaning. Sanitising.

Floors, walls, door handles, hand grips and any other surface with which people come into contact are potential sources of infection. Disinfection requirements are constantly on the rise, not only in hygiene-sensitive areas. The Scrubmaster B45 CLH can be equipped with additional tools to apply disinfectant solutions, either manually or with a hand spray wand, to ensure excellent cleaning results and protect people's health.

## Benefits and features at a glance:

- Equipped with a disc brush system
- 43, 50, 51 or 65 cm working width
- Area output up to 2,900 m<sup>2</sup>/h
- Hako-AntiBac® as standard (only Scrubmaster B45 CLH)
- With Silent Mode





## Scrubmaster B70 / B70 CL / B90 CL

### *Adaptable for every application*

With various working widths available, disc or cylindrical brushes and different battery systems, as well as optional extras and a Standard or CL variant, the Scrubmaster B70 is ideal for thorough, economically efficient scrubbing and drying of medium-sized to large floors, for example in shopping centres and supermarkets, office buildings and local authorities, or production halls and warehouses.



### *Efficient in every detail*

The Scrubmaster B90 CL has been optimised to provide outstanding economic efficiency. Its heavy-duty design with aluminium die cast brush units and squeegees guarantees superior reliability to minimise repair costs and downtimes. Equipped with Hako-AntiBac® providing antibacterial tank properties and Silent-Kit for low-noise working as a standard, the Scrubmaster B90 CL is perfectly suited for working in hygiene-sensitive areas.

#### Features and benefits at a glance:

- B70 equipped with a disc or cylindrical brush system 60, 65, 75 oder 85 cm working width
- B90 equipped with a disc brush system 85 cm working width
- Area output up to 4,200 m<sup>2</sup>/h
- Robust heavy-duty design
- Hako-AntiBac® as a standard (only with Scrubmaster B70 CL and B90 CL)
- Silent Mode (only with Scrubmaster B70 CL and B90 CL)

## Which machine is the best for your requirements?

Our comprehensive range of Scrubmaster walk-behind scrubber-driers offers machines for every application, from cleaning small to medium-sized areas. The table below helps you to find the most economically efficient solution for your individual tasks:

Scrubmaster	B75 i	B5	B8	B12	B25	B30	B45	B70	B90 CL
Area output in m <sup>2</sup> /h	1,980-2,340	1,300	1,320	1,500	1,700	1,700-1,900	1,700-2,900	3,000-4,200	3,000



## Technical data

### Our machines at a glance

The table below gives you an overview of all technical data as well as information on the dimensions and weight of our Scrubmaster models.

Technical data		B75 i	B5	B8	B12	B25	B30	B45	B45 CLH	B70 (CL)	B90 CL
Working width	cm	65/54	43	33	38	43	43	43-65	51	60-85	85
Theoretical area output	m <sup>2</sup> /h	2,340/1,980		1,320	1,500	1,700	1,700-1,900	1,700-2,900	2,300	3,000-4,200	3,000
Number/type of brushes		disc/cylinder		cylinder	disc	disc	disc	disc/cylinder	disc	disc/cylinder	disc
Brush speed	rpm			800	130		210	170-210/800	210	185/850	185
Solution/recovery tank	l	75/75	5/5	8/8	16/22	25/25	30/30	42/42	42/42	72/74	85/85
Squeegee width	cm	76		42	47		126.5	123.5-136.5	134.5	153-171	164
Battery capacity	Ah		12.8	10/20	25	45	50/76	50-67/76-95	56/86	59/95-110	59/95
Running time	min	120-180	60	60	60		109.5	111.6	111.6	115	115
Weight without/with battery	kg	330	21	23/25.4	40/80		179-190	204-240	230	325-393	415



### Optional equipment

Each Scrubmaster can be individually configured to ensure that you always have the right machine at hand for every cleaning task: with optimally adapted original accessories that provide more efficiency, environmental protection and occupational safety, or perfectly hygienic cleaning results.



Scan the code for more information:



## Available 24/7, quickly on site when needed

We are always there for you: with qualified service technicians in fully equipped service vehicles who carry out repairs promptly and professionally. With our efficient spare parts logistics, which delivers original spare parts overnight if the worst comes to the worst. And always with an open ear for your questions and needs!

## Hako-Fleet-Management

For more transparency and economic efficiency: Hako Fleet Management records all important commercial and service data as well as operating states and locations while working, which are displayed clearly and transparently in the web portal – directly for the entire fleet at the touch of a button. Another service advantage: service requests can be made directly from the portal, including transmission of the service codes to the technician. Recurring appointments such as maintenance can also be set.

## Quality easily financed

We offer you attractive, customised rental and leasing options for more flexibility and cost-efficiency.



Easy access to the diagnosis interface for maintenance purposes and to modify machine settings.



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Blue Competence is an initiative of VDMA ([www.vdma.org](http://www.vdma.org)). By engaging in this partnership, we are committed to comply with the twelve sustainability principles applied in the field of mechanical and system engineering ([www.bluecompetence.net/about](http://www.bluecompetence.net/about)).