

Cleaning Technology  
Municipal Technology  
Waterjet Technology

**Hako**



## Scrubmaster B400-R Series

Maximum flexibility for large areas

Scrubber-driers and combi machines for a wide range of applications



## Ergonomic

workplace with height-adjustable steering wheel

## Tanks

400-litre solution and recovery tank

## Drive

X-AC front and rear drive (optional)

## Area output

up to 14,000 m<sup>2</sup>/h

# SCRUBMASTER B400 RH

## Low-dust sweeping

Hako Dust Stop reduces dust formation during sweeping by up to 90 %.



### Three variants

The new Series comprises a scrubber-drier basic model and two combi machines with high dump or manual emptying system.

### Highlights:

- 3-disc brush unit available in two working widths (123 and 155 cm)
- Three variants, each is individually configurable
- Large, 400-litre solution and recovery tank
- AGR-certified ergonomic workplace provides back-friendly working
- Numerous options and special equipment

## Large and adaptable

### The machine for very large areas

Industrial and commercial areas are becoming larger and larger, and applications increasingly specialised. With the new Scrubmaster B400-R Series, Hako meets the requirements of large-scale tasks: with a high area output of up to 14,000 m<sup>2</sup>/h, 400-litre solution and recovery tank, extreme performance in a compact design and a wide range of application options. This creates opportunities with outstanding cost-effectiveness.





### Award-winning comfort

The German association Aktion Gesunder Rücken e.V. ([www.agr-ev.de](http://www.agr-ev.de)) has awarded the AGR quality label to the new Scrubmaster Series.



### More than clean

More hygiene, reduced operating costs: with Hako-AntiBac®, which equips the tanks with antibacterial properties, and Hako-AquaControl, saving up to 50 % water.



### Hako DustStop

The side brooms can be equipped with Hako DustStop, which reduces the development of dust and fine particulates during dry sweeping by up to 90 % in comparison to conventional side brooms.



### On-board dosing

Fully integrated in the machine design, the on-board dosing system automatically adds just the right quantity of cleaning detergents, depending on the amount of water supplied to the system during the cleaning process. For more safety in the handling of chemicals.



### Self-cleaning squeegee

The squeegee can be rinsed automatically at the push of a button to increase hygiene and make daily servicing easier for the operator. In addition, the squeegee folds up to enable uncomplicated maintenance work.

## Top performance!

The Scrubmaster B400-R Series enables long, uninterrupted cleaning operations: with a high area output thanks to the large 400-litre solution and recovery tank and maximised battery capacity thanks to the optional battery changing system. With a 3-disc brush unit available in two working widths of 123 cm and 155 cm, standard extras, Hako-typical features such as on-board dosing and an ergonomic, back-friendly workplace design, this machine series is ready for even the biggest tasks.



### Everything at a glance

The clearly-arranged, easy-to-read operating panel with LCD display and reset button is self-explanatory and allows intuitive use. In addition, the one-button operating system starts all major cleaning functions at the push of a button.



### Technical perfection

From the flexi-wall tank with a two-stage filter system for coarse dirt and fine particles to the fully integrated, space-saving dirt hopper, the new Scrubmaster B400-R Series has been designed with attention to every detail.





### Countless possibilities

Hako stands for customised solutions without compromise. Individual configurability is very important to us – also when it comes to our largest models. For top performance – tailored to meet your individual requirements!

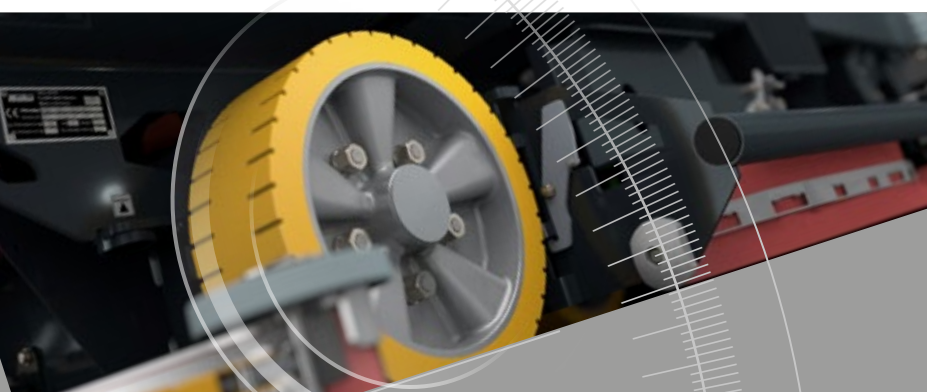


### Overhead guard

The machines can be equipped with an overhead guard to protect the driver against objects falling from above, for instance in large warehouses.

## Configurable in every detail

Our customers' demands for hygiene and occupational safety are as varied as their individual fields of application. Structural conditions at the job side, e. g. inclines and gradients, can pose additional challenges. Each of our Scrubmaster B400-R Series models can therefore be equipped with a wide range of individual extras and tools that provide more efficiency, flexibility and safety, along with many other upgrade options.



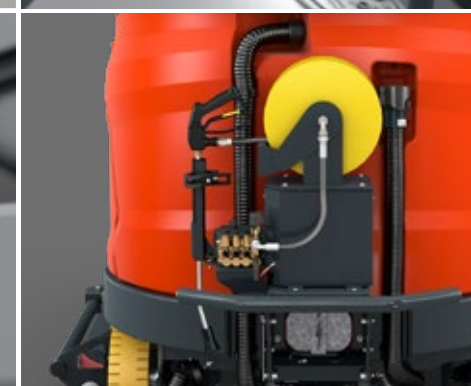
### Performance X-AC

Upgraded with the optional X-AC front and rear drive, the Scrubmasters effortlessly manage inclines of up to 15 % – without loss of performance. For excellent results on ramps in multi-storey car parks or warehouses.



### Safety features

In busy environments such as logistics halls, with plenty of foot and vehicle traffic, the BlueSpot headlight signals an oncoming vehicle; and the rear-view camera provides additional safety.



### High-pressure cleaner

The on-board high-pressure device (120 bar at 6 l/min) with built-in power supply thoroughly cleans even in the smallest of corners.



### Wastewater treatment

The on-board wastewater treatment system enables extended operating times without the need to refill the tank. In addition, fewer complete emptying and refill intervals are resource-friendly and protect the environment.





### Automated, practical, efficient!

Dumping the hopper contents into waste containers at a height of up to 165 cm has two clear advantages: The automated dumping and disposal process saves time, and the machine operator does not come into contact with the collected dirt.



## Scrubmaster B400 RH

### Vacuum sweeper and scrubber-drier combi machine with high dump

The Scrubmaster B400 RH with high dump is the perfect choice for environments where a lot of coarse dirt regularly accumulates, for instance in production or exhibition halls. With its particularly high net dirt hopper volume, this vacuum sweeper and scrubber-drier combi machine provides sufficient capacity even for large amounts of coarse dirt. Larger pieces of debris can be picked up by hand and thrown into the hopper manually through the integrated coarse dirt flap.



#### Rear-view camera

When reversing, the optional rear-view camera and the monitor next to the control panel provide a better view to the rear.



#### Coarse dirt flap

The coarse dirt flap allows larger or bulky pieces of dirt or debris to be collected without interrupting work for long.



### Battery changing system!

The tool-free battery changing system (optional) maximises battery capacity, enabling long cleaning operations without interruption.

### Features and benefits at a glance:

- Automated high dump
- Coarse dirt flap to throw in litter by hand
- 150-litre dirt hopper
- DustStop for low-dust sweeping





# Scrubmaster B400 RM

## Vacuum sweeper and scrubber-drier combi machine

The Scrubmaster B400 RM fully demonstrates its strength when it comes to removing normal to medium amounts of coarse dirt. The dry-sweeping function collects larger pieces of debris to clear the path for the brushes and allow thorough wet cleaning. When the job is done, the dirt hopper can be emptied by hand quickly and easily.



## Less dirt, less dust

Hako's innovative side broom jacket DustStop reduces the development of dust and fine particulates during dry sweeping, which protects both the immediate environment and, for instance, goods stored on shelves, against rising dust.

## Features and benefits at a glance:

- Two 44-litre dirt hoppers
- Take-it-Easy hopper-emptying system
- DustStop for low-dust sweeping
- Sweeping path of up to 168 cm (the squeegee is covered)

# Scrubmaster B400 R

## Scrubber-drier

With its large area output and small turning circle, the scrubber-drier model Scrubmaster B400 R provides perfectly cleaned floors, also in aisles. Hako's quick-connect system allows fast and uncomplicated upgrading with additional tools, such as different pre-sweep units or a light-debris collector.



## Up the aisle, back down the aisle – done!

The Scrubmaster B400 R is extremely compact and enables complete U-turns in aisles as small as 230 cm. And our 155-cm-working-width variant is a real timesaver when it comes to cleaning aisles of up to 3 metres: One pass up and back down the aisle is sufficient to provide excellent cleaning results.

## Features and benefits at a glance:

- Complete U-turns in aisles as small as 230 cm
- Quick-connect system allows uncomplicated upgrading with pre-sweep tools or special equipment





# Technical Data

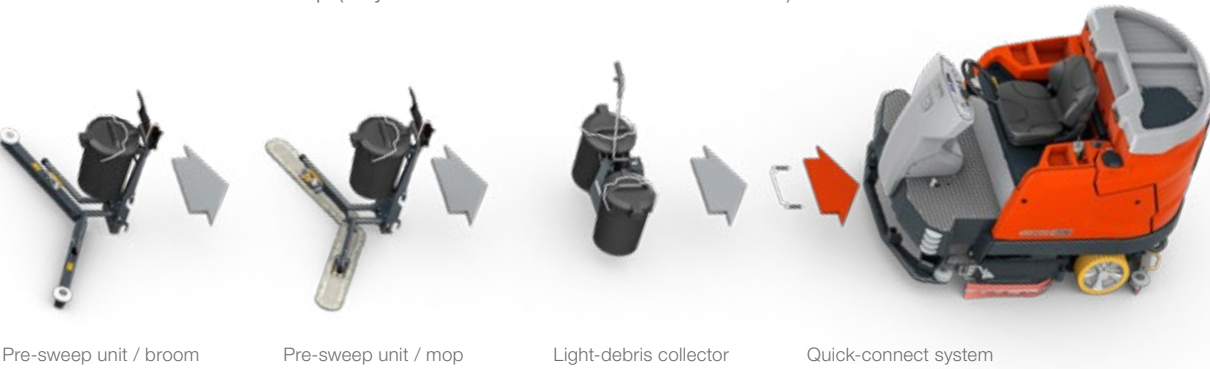
Scrubmaster		B400 R/RM/RH 1230	B400 R/RM/RH 1550
Working width scrubbing	cm	123	155
Squeegee width	cm	136	166
Theoretical area output	m²/h	11,000	14,000
Max. climbing capacity/ in cleaning mode without/with X-AC	%	6/15	6/15
Working speed	km/h	9	9
Brush system/number of brushes		disc/3	disc/3
Brush contact pressure	kg	55/75/95	80/110/140
Solution and recovery tank capacity	l	400	400
Dirt hopper capacity (gross)*/Take-it-Easy high dump**	l	2 x 44/150	2 x 44/150
Nominal voltage	V	36	36
Total output	kW	14.7	16
Battery capacity max.	Ah	540/810	540/810
Length with squeegee R/RM/RH	cm	202/281/281	202/281/281
Width without/with squeegee	cm	130/136	160/166
Height without/with overhead guard	cm	150/212	150/212
Weight, ready to use, without driver	kg	2,110/2,260/2,420	2,130/2,280/2,440
Noise level at the driver's ear R/RM/RH	dB(A)	68/74/74	68/74/74

\* Scrubmaster B400 RM  
 \*\* Scrubmaster B400 RH



## More flexibility

Pre-sweep tools and optional extras for special applications provide more flexibility – for instance the coarse dirt flap (only available for the Scrubmaster B400 R).



## Optional equipment

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

Upgrade options	B400 RH	B400 RM	B400 R
X-AC front and rear drive	•	•	•
Overhead guard	•	•	•
Comfort seat	•	•	•
Work light	•	•	•
Flashing beacon	•	•	•
BlueSpot	•	•	•
Rear-view camera	•	•	•
On-board dosing system	•	•	•
DustStop	•	•	•
High pressure cleaner*	•	•	•
Wastewater treatment system*	•	•	•

\*only one option possible





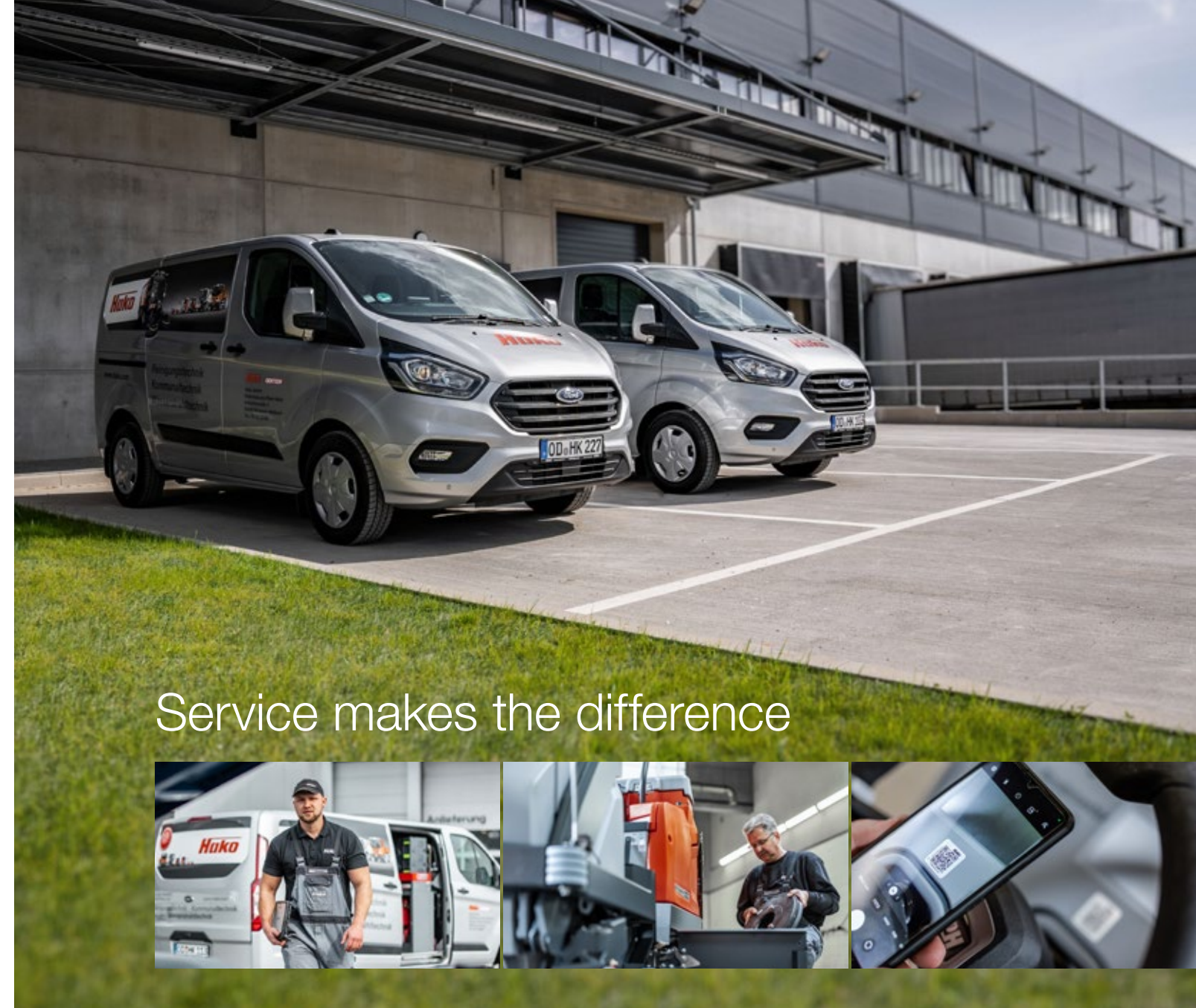
## Hako-Fleet-ready!

Hako cleaning technology thinks ahead – and is even smarter when you monitor its use with Hako-Fleet-Management. The data collected can not only serve as a basis for even more economical use, but also helps you to be one step closer to a solution in the event of a service call. Hako-Fleet-Management allows you to track the use of your cleaning machine. If a fault causes the machine to stop, its location on the map is sent to the Fleet Portal. Operating results and statistics are clearly displayed in the web portal.



### Hako-Fleet-Management: here's why!

- Recording of all important service data and operating states
- Clear presentation in the web portal, available 24/7
- Full cost transparency and control
- High machine availability
- Avoidance of machine damage
- Provision of performance records
- Compatible with machines from other manufacturers



## Service makes the difference



### Always quickly on site

Qualified service technicians with fully equipped service vehicles carry out service work promptly and efficiently directly on site.

### Professional service

Whether you need repairs, maintenance or safety inspections, your machine is in the best hands in the modern workshops of our subsidiaries, authorised dealers or service partners.

### Service via scan

Full access to all machine details and data as well as digital service requests – simply via QR code scan.

### For maximum availability

To ensure that our machines perform optimally at all times, we offer customised and scalable services along the entire product life cycle.

- Right from the start: with solution-oriented advice directly on site as well as attractive financing and rental options
- After purchasing: with smooth procurement and provision including user training
- During use: with individual service contracts and 24/7 support for fast and professional troubleshooting, high efficiency and permanent machine availability
- At the end of the product's life: with take-back and recycling as well as machine upgrades





# Hako

## For a clean future

To ensure that our solutions meet the increasing demands for sustainability, we are constantly developing them further: in dialogue with our users, closely oriented to current trends, and by taking into account the requirements of the future. That is why we are constantly driving our research and development in the direction of efficiency-increasing and even more environmentally friendly measures as well as important future topics – for example, electromobile solutions in Municipal Technology or digitalised processes.

## Far ahead even today

Taking more responsibility for the environment: due to their low emission values and minimal noise levels, our vehicles can work also in environmental zones and other sensitive areas.



## We are also active in the field of Municipal Technology and Waterjet Technology

The requirements for professional indoor and outdoor cleaning are just as extensive as the options we offer our customers: from sweepers and vacuum sweepers to scrubber-driers and combination machines to efficient waterjet technology for use in industry and commerce.

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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)).

For the sake of readability, Hako has opted for gender-neutral terminology throughout this document. This includes all people, regardless of their gender or identity.

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