## Introducing the RoboScrub Maxride 20

The RoboScrub MaxRide 20 powered by BrainOS® represents the next generation of robotic floor care. Brain's advanced vision-based A.I. system enables the robot to navigate complex, real-world environments.

Our collaborative robot is designed to work safely alongside employees and can still be used manually for ad-hoc situations.



#### RoboScrub 20

Combining both manual and autonomous operation to provide you with a flexible cleaning solution.

#### **Key Features:**

- Localised mapping (no engineer required)
- · Simple and intuitive user-interface
- Mitigate collision damage and
- Ensures consistent and reliable floor care performance
- Allows employees to focus on higher value tasks

#### Powerful and equipped with clever details

Ability to memorise and store up to sixty routes, allowing employees to focus on higher value tasks.



### **Everything at a glance**

The easy to navigate user interface enables operators to record & replay routes in three simple steps as well as pairing the operators phone for RoboScrub notification



### Outdoor Cleaning

Our range of multifunctional road sweepers are ideal for use in a variety of working environments ranging from street cleansing to lawn cutting and winter maintenance.

Road sweepers from Hako are compact, manoeuvrable and economic. We offer a clearly staged range of machines and a variety of optional attachments are available including full winter maintenance, lawn cutting and Citycleaning function.



#### Citymaster 650

**Key Features:** 

A multifunctional compact sweeper with the ability to offer both winter maintenance and grounds maintenance

- 2016/1628/EC Emission Standard Stage V
  - · Quick-change system
  - · Permanent all-wheel drive
  - Travel speed of 25km/h

#### Citymaster **1650**

Combines the many qualities usually found in larger sweepers while keeping to a total weight of 3.5t

#### Key Features:

- Class B driving licence category
- Full-suspension chassis
- · Permanent all-wheel drive with automatic load and slip compensation
- EUnited 4 stars PM2.5/PM 10



#### Citymaster 2200

A high-end compact sweeper, designed for municipal and commercial use

#### Key Features:

- Euro VI VM 4-cylinder diesel engine
   PM 10
- Diesel 80 kW, EU6, DOC, DPF, SCR
- All wheel steering as standard
- windscreen. Doors with forward- and backward-opening







- Two-person full comfort cabin with tinted panoramic and sliding windows





### Cleaning Technology



## Hako provides technical solutions for your cleaning

At Hako, we pride ourselves on providing a highperformance total cleaning solution, and it is this ethos that has made us one of the leading suppliers of quality machines for use in commercial, industrial and municipal environments.

Our Research and Development team are continuously working to develop pioneering innovations for improved efficiency, sustainability and operator comfort

## F.L.X by Hako Machines Ltd

German Quality

and municipal requirements

### Our flexible finance solutions just got even more flexible.

F.L.X by Hako Machines Ltd allows you to continously hire bespoke cleaning solutions for your business on a rolling hire contract. Giving you the opportunity to have quality floor cleaning equipment on more of a flexible basis.

#### Hako: environmentally friendly right from the start

It is our legacy to leave behind a clean planet. That is why resources, environmental and climate protection characterise each and every process at Hako, certified by independent institutions.

Learn more about our on-going commitment at www.hako.co.uk

#### Close to you wherever you are

Our efficient sales and service network guarantees close proximity and rapid response.

#### **Cleanliness combined** with safety

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

#### Flexible finance

We offer you a number of individual and attractive financing and procurement options.

#### Aftersales that works for you

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

### **Detergents**

We also offer an extensive range of Hako detergents. Speak to your sales executive today about our Cleanol range.

## Product Range



Minuteman International Part of the Hako family based in Illinois. 14N845 U.S. Route 20 Pingree Grove, IL 60140

### Sweepmaster Range

Our extensive range of pedestrian and ride-on sweepers are able to clean areas between 2,300 and 25,000 m<sup>2</sup>/h for dust-free cleanliness. Our sweepers are suitable for use in a wide range of applications such as warehouses, factories and car parks. Contact us today to arrange a free site survey to determine the best solution for your site.





#### Sweepmaster M600

Compact, manual sweeping machine suitable for use in small indoor and outdoor applications

Sweep Width (cm)	48
Dirt Hopper (I)	40
Sweep Area (m²)	
Power	



Dirt Hopper (I) 40 Sweep Area (m²) Power	Sweep width (cm)	48
1 ( )	Dirt Hopper (I)	40
Power	Sweep Area (m²)	
	Power	



#### Sweepmaster 900 R

Compact vacuum sweeping machine for use in both indoor and outdoor areas

70
2x30
7200
Battery/Petrol





70
60
7200
Battery/Petrol



### Sweepmaster 1200 RH

The ideal machine for the effective and economic vacuum eweening of larger areas

vacuum sweeping or larg	ei aicas
Sweep Width (cm)	
Dirt Hopper (I)	
Sweep Area (m²)	
Power	Ratte



even the toughest of applications

0



pedestrian machine with the performance of a ride-on machine

Sweep Width (cm)	67
Dirt Hopper (I)	2x25
Sweep Area (m²)	6660
Power	Battery





## A quality, cost-effective sweeper that offers

ep Width (cm)	163
Hopper (I)	623
ep Area (m²)	17168
er	LPG/Diesel



Our extensive range of pedestrian and ride-on scrubber-driers are able to economically clean areas between 1,400 and 12,000 m<sup>2</sup>/h. Innovative systems are available to increase the efficiency and scope of the cleaning operation. Hako AquaStop saves water and increases machine operating times, Hako AquaForce involves cleaning using de-mineralised water, removing the need for chemical, and Hako AntiBac increases the hygiene of the water tanks for use in sensitive areas.

1400

Battery

Battery

Battery

Electric/Battery





### Scrubmaster B120 R

Comfortable and powerful for efficient cleaning results.

70/75/85/90
120
4500 - 5800
Battery



## Scrubmaster B175 R

Efficient cleaning, even on inclines.

rub Width (cm)	85/90/108
nk Size (I)	175
ea Coverage (m²)	5950-7560
wer	Battery



#### Scrubmaster **B260** R

A large, battery powered, ride-on machine that combines pre-sweeping and scrubbing for perfect cleaning results

108/123
260
7650-8600
Battery



#### Scrubmaster **B310** R

A large, battery powered, ride-on machine that combines pre-sweeping and scrubbing for perfect cleaning results

Scrub Width (cm)	90/102/123
Tank Size (I)	310
Area Coverage (m²)	7000-9250
Power	Battery



A large, industrial, ride-on sweeper-scrubber drier ideal for use in all heavy duty applications

crub Width (cm)	140
nk Size (I)	398
ea Coverage (m²)	TBC
wer	LPG/Petrol/Diesel/ Battery



Hako Machines Ltd have forged strategic partnership with commercial equipment providers to allow you to have full cleaning solutions from floor to ceiling and everywhere in between.



#### Cleansery VU4

Brushing and vacuuming in one working procedure for the thorough cleaning of carpets. Easy to operate and



### Cleansery VL 1-15 / VL 1-30

A compact and user-friendly wet and dry vacuum cleaner. The low weight plastic-coated aluminium vacuum pipe is extremely shock resistant.



#### Cleanserv VL 2-70 / VL 3-70

A high performance and robust wet and dry vacuum cleaner with a solid handle bar and two bypass motors that can be activated on demand.





## Scrubmaster B3

A practical, easy to transport scrubber-drier designed to efficiently clean small and hard to reach areas.



#### Robby 600 steam cleaner

A super-heated dry steam and hot pressure cleaner, fulfilling two different cleaning requirements for the price of one!



### Lindhaus Superleggera back pack vac

The "lightest backpack vacuum in the world!". Ideal for difficult to reach areas.



#### Excentr 55-35 - 240v oscillating scrub and floor restoration

Excentr's showpiece. Made from stainless steel, it is robust powerful and extremely effective.



### Excentr 30-20+ oscillating scrub and floor restoration

ideal for both regular basic cleaning and periodic extreme deep cleaning, the more rigorous work.



## Truvox Orbis 45 (200/400) Speed

These powerful single-disc rotaries are ideal for hospitals, shopping centres, airport concourses, sports centres and supermarkets. With a variety of sizes and speeds available, you can perform a wide range of floorcare tasks.



#### Truvox Orbis 43/1500 Speed This high speed single disc burnisher offers exceptional

handling and productivity for cleaning and polishing hard floors. compared to traditional high speed machines. With a speed of 1500 rpm and high pad pressure, this burnisher provides a superior gloss finish.



## Truvox Valet Battery Upright (VBU)

Award-winning, battery powered commercial upright vacuum with an interchangeable battery.



## Truvox VTVE (Tubvac)

A compact tub vacuum that offers great performance and excellent manoeuvrability



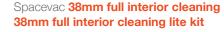
#### Truvox Hydromist Compact HC250 The Hydromist Compact is an all in one spray extraction

machine for carpet and upholstery cleaning. Featuring a powerful built-in rotary brush that lifts dirt from beneath



#### Truvox Hvdromist An all in one spray extraction machine for carpet and

upholstery cleaning providing excellent cleaning results and high productivity.





system is a revolution in high level cleaning. Offering up to a 15m reach, this cleaning system gives operators the ability to clean high, hard toreach spots quickly and efficiently from the ground.





## Sweepmaster 650

Compact, high performance sweeper for the dust-free cleaning of small and medium sized

Sweep Width (cm)	50.5
Dirt Hopper (I)	35
Sweep Area (m²)	2525
Power	Battery/Petrol

## Sweepmaster 800

Manoeuvrable, high performance sweeper for the dust-free cleaning of small and medium sized

veep Width (cm)	67
rt Hopper (I)	2x25
veep Area (m²)	3350
ower	Battery/Petrol



### Sweepmaster **B800** R

Combines the compact dimensions of a

eep Width (cm)	67
Hopper (I)	2x25
eep Area (m²)	6660
wer	Battery

Sweep Width (cm)	70
Dirt Hopper (I)	2x30
Sweep Area (m²)	7200
Power	Battery/Petro

### Sweepmaster 980 R

Compact vacuum sweeping machine for use in both indoor and outdoor areas

Sweep Width (cm)	80
Dirt Hopper (I)	130
Sweep Area (m²)	10300
Power	Battery/Petrol/Diesel

## Sweepmaster 1500 RH

A large, powerful vacuum sweeper suitable for

Sweep Width (cm)	92
Dirt Hopper (I)	250
Sweep Area (m²)	12960
Power	Battery/Petrol/Diesel

#### Powerboss 9XR

years of consistently reliable service

reep width (CITI)	103
t Hopper (I)	623
veep Area (m²)	17168
wer	LPG/Diesel

Scrubmaster E10 / B10

Scrub Width (cm)

Area Coverage (m<sup>2</sup>)

Scrubmaster **B12** 

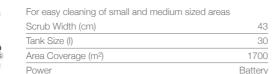
Tank Size (I)

Power

A Pedestrian scrubber-drier designed to clean smaller areas Scrub Width (cm) Tank Size (I) Area Coverage (m²) 1500

Compact scrubber-driers designed to clean smaller areas

## Scrubmaster **B30**



## Power

Scrubmaster **B45** Compact scrubber-drier for use on all non textile floors Scrub Width (cm) Tank Size (I) 2000

# Area Coverage (m²)

## Scrubmaster B70/90

High performance efficient wet cleaning of medium to large

Scrub Width (cm)	65/75
Tank Size (I)	72/75
Area Coverage (m²)	3200 - 4200
Power	Battery

#### Scrubmaster **B75** R Compact Ride-on scrubber-drier for cleaning confined areas.

Scrub Width (cm) Tank Size (I) Area Coverage (m²) 3500

## Powerboss Combi 400

Tank Size (I)	398
Area Coverage (m²)	TBC
Power	LPG/Petrol/Diesel/ Batter