

*Cleaning Technology
Municipal Technology
Waterjet Technology*

Hako



Minuteman RoboScrub 20

Safe working also in complex environments

Autonomous cleaning made easy



Sensors keep an eye on everything

3D and 2D cameras as well as sophisticated sensors provide machine vision, learning of new routes, and safe circumnavigating of obstacles.



Autonomous cleaning – with reliably good results!

RoboScrub 20, the autonomous cleaning machine of Hako's Minuteman brand, has already proven its efficiency in the field: from production halls and warehouses with many small aisles to large shopping centres. This machine ensures intuitive operation and safely navigates around complex environments. Obstacles identified by the camera systems are translated into commands by the BrainOS® technology – for example “circumnavigate obstacle” or “machine stop”. To carry out short interim cleaning applications, RoboScrub 20 can also be used as a conventional ride-on scrubber-drier.



Compact and highly efficient machine for best cleaning results



The sensors and cameras constantly monitor the machine's surroundings and scan it for obstacles. In situations where RoboScrub 20 cannot circumnavigate such obstacles, the machine stops automatically.

Sophisticated safety concept

The flashing beacon indicates an autonomously working machine. In case a critical situation occurs despite the integrated obstacle detection, emergency buttons next to the flashing beacon and on the operating panel allow rapid and uncomplicated stopping of the machine.

| Technical data | RoboScrub 20 |
|---------------------------------|--|
| Working width incl. squeegee | 68 cm |
| Theoretical area performance | 2,045 m ² /h, autonomous operation |
| Working speed | 3 km/h, autonomous operation 5 km/h, manual operation |
| Brush system | Disc |
| Solution/recovery tank capacity | 68 litres |
| Empty weight | 155 kg |
| Nominal voltage | 24 V |
| Weight, wet incl. battery | 313 kg |
| Dimensions (L x W x H) | 1,206 x 736 x 1,143 mm |

Form, colour and design are subject to change without notice in favour of further technical development. Pictures may show optional equipment.

Hako GmbH
 Head Office
 Hamburger Str. 209-239
 23843 Bad Oldesloe
 Tel. +49 (0) 4531-806 0
 info@hako.com
 www.hako.com



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