

*Cleaning Technology · Municipal Technology*

**Hako**

**Clean ahead**



*Autonomous cleaning is the future*

*Prototype of an intelligent Scrubmaster scrubber-drier*



**For best results:**

Optimised traction and manoeuvrability through a modified vehicle geometry achieved by merging the scrub head and the squeegee into a single unit for scrubbing and sucking up waste water.

User-friendly operation with intuitive touch control



1. Easy teach-in of the surroundings during an initial cleaning pass



2. Allocating the areas to be cleaned on the touch pad



3. Automatic route calculation ensures optimised machine movement on the floor areas and aisles to be cleaned

## The autonomous cleaner

By introducing the intelligent Scrubmaster scrubber-drier, Hako is presenting the prototype of an autonomous cleaning machine. Equipped with innovative drive technology, special sensors, a 3D camera system and Hako's in-house developed navigation software, this machine can carry out standardised cleaning jobs autonomously. The modified vehicle geometry in combination with merging the squeegee and the scrub head into a single unit provides optimised cleaning results through improved suction performance, excellent manoeuvrability, and agile movements to avoid obstacles. As future technology is meant to simplify the dialogue between man and machine, the scrubber-drier is equipped with an innovative and intuitive touch control tablet for easy operation. Another benefit: The machine can also be used as a conventional walk-behind scrubber-drier to quickly carry out interim cleaning tasks.

Technical data	
Working width	65 cm
Effective squeegee width	86 cm
Theoretical area performance	1,870 m <sup>2</sup> /h
Climbing ability	0+-2°
Net run time	120 min
Nominal voltage	24 V
Battery charging time	10 h*
Number of brushes	3 pcs
Brush diameter	23 cm
Dimensions:	
Length	118 cm
Width without (with) squeegee	66 (86) cm
Height / operating handle	116 cm

\*Depending on the battery

Form, colour and design are subject to change in favour of further technical development. Pictures may show optional equipment.

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