

TASKI® swingobot 2000

SCRUBBER DRIER - FOR HARD SURFACES

Hands-Free Cleaning®

A 28" (70 cm) disc scrubber.
Improves cleaning consistency
and reduces cleaning cost.



Ideal for: Education | Retail | Healthcare | Public

Cleaning just got easier:



Sensors provide 360-degree view that allows scrubber to operate Hands-Free. Just prep, point and go.



Service components are easily accessible. Uses standard size industry brushes, pads and squeegees.



IntelliFlow saves you up to 76% water and chemical consumption compared to traditional scrubbers. All Intelligent functions will help you to improve productivity and sustainability.



No special training is required. The icon-based touchscreen prompts users through all functions, regardless of language or skill level.



Communicates with operator and generates detailed reports including login time, end of shift and areas cleaned.

The machines are operated by a unique icon-based touchscreen.



INTELLIGENT FEATURES

Main Computer	Autonomous and manual cleaning modes, controlling all aspects of cleaning including water flow, chemistry, head pressure and repeatable high level of cleaning performance
Safety Monitoring Computer	Dual redundant computers monitor all aspects of the machine pertaining to safe operation and immediately halt motion and motor upon detection of any unsafe conditions
Drive Subsystem	Precise control of the drive motors to ensure correct motion and position of the machine
Controls	Manual and Robotic; Icon-based touchscreen with on-screen help in 9 languages; emergency stop button to halt machine and cleaning**
Front Touch Shield	Full width, Grey ABS, touch-sensitive shield provides immediate braking
Rear Touch Shield	Full width, Grey ABS, touch-sensitive shield provides immediate braking
Security	User-specific password protection to prevent unauthorized use combined with screen locking system
Safety Sensors	Two level safety touch shield 360° around the machine; four dual redundant infrared floor sensors; 190° scanning laser and 360° ultrasonic sonar for obstacle detection
Navigation Sensors	Triple range ultrasonic sonar for near, mid and far for tracking the environment; scanning laser to navigate spaces 190+ feet (60 m) wide; angular rate sensor and optical encoders for precision machine location
Navigation System	Simple, no programming usage for basic cleaning patterns and sophisticated map programming for large complex cleaning of entire sites

INTELLIGENT SYSTEM

IntelliFlow	Water consumption management allowing you a reduction up to 76%
IntelliDose	On-board chemical dosing system allowing you up to 70% chemical savings
IntelliTrack	In direct contact with your cleaning operators
IntelliTrail	Ensure optimization of your TASKI fleet
IntelliPad	Allowing you to have a clean and shiny floor in one pass

BRUSHES AND SQUEEGEE

Pads	Two counter-rotating drivers and pads available. Robot also works with TASKI standard brushes
Brush Drive Motors	Two 24 V VDC; 0,65 HP; 150 RPM; Direct drive
Brush Head	Brushes/pads are changeable without removing head from machine
Scrubbing Width	28 inch (70 cm)
Scrubbing Pressure	0.29 N/cm ² or 42,5Kg/93,69 lbs
Squeegee	35 inch (90 cm) self-tracking parabolic squeegee with EZ-lok system for simple maintenance. Plastic non-marking end rollers and quick change, reversible rubber blades
Turning Circle	1.4 m/ 4.6 feet

DRIVE SYSTEM

Battery Option	Sealed gel cell deep cycle, 180 AH, 24 VDC output
Battery Capacity	180 Ah (Standard set up)
Performance	Run time up to 4 hours Theoretical Performance 1260 m ² Practical Performance (low congestion) 1050 m ² Speed 1.8 km/h
Optional Exchange Kit	Run time can be doubled with battery exchange kit that requires no heavy lifting
Charger Unit	20 AMP, 24 VDC output, available in 115 VAC input with automatic shutoff

CONSTRUCTION

Machine Length	53 inch / 135 cm
Machine Width	35 inch / 90 cm
Machine Height	50 inch / 128 cm
Tank Capacity	Fresh water: 90L Waste water: 90L
Machine Weight Empty/incl Batt/ Ready to use	252 kg / 376 kg / 471 kg or 555 lbs / 829 lbs / 1038 lbs

APPROVALS

IP Protection Class	IPX3
Electrical Protection Class	III
Regulatory Aspects	CE; CB (end of 2017); DIN 18032

ENVIRONMENT

Humidity	20% to 75% relative humidity
Noise (LpA)	<70 dB(A)
Uncertainty (KpA)	2.5 dB(A)



* Cleaning rate may vary, depending on environment

** English, Spanish, German, French, Danish, Italian, Dutch, Swedish, Polish.