

IS800

ROBOTIC SCRUBBER

IntelliBOT

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INTELLIGENT FEATURES

Main Computer	Monitors all functions and commands the IS800 to perform memorized cleaning routines.
Drive Subsystem	Monitors and controls the robot's movement and position.
Auxiliary Subsystem	Monitors cleaning components and user control panel.
Controls	Manual and electronic.
Navigation	20-zone sonar sensing system providing the IS800 a 360 degree view of sensing area topography and obstacle avoidance.
Touch Shield	32" (81 cm) wide, black ABS with bristle skirt.
Rear Bumper	21" (53 cm) wide, black ABS spring loaded.
Safety & Security	Password and key protected, preventing unauthorized use. Redundant safety systems provided by virtual sonar touch shield, infrared floor sensors and 8 oz. contact force touch shield and rear bumper.

SOLUTION/RECOVERY RECYCLING SYSTEM

Solution Feed	Manually adjustable flow rate to each brush.
Tanks	Two 25 gallon molded high density polyethylene tanks.
Recycling System	Three-stage automatic recycling system. One micron pleated polyethylene filters (filters are washable and reusable).

BRUSHES AND SQUEEGEE

Brushes	Two counter rotating 13" nylon bristle with plastic block. Choice of three different bristle diameters for a customized cleaning solution.
Pads	Two counter rotating 14" drivers and pads. Red and white pads available.
Brush Head	Brushes/pads are changeable without removing head from machine.
Scrubbing Width	29" (74 cm)
Scrubbing Pressure	100 lbs. (45 kg)
Squeegee	36" (91 cm), parabolic self-centering swing style with plastic rollers on ends and caster wheels. Four-edge reversible gum rubber blade on front and back.

DRIVE SYSTEMS

Drive Motors	Two 24 VDC servo type with traction water displacement tread.
Brush Drive Motors	Two 24 VDC, 0.75 HP, 200 RPM permanent magnet type, direct drive.
Vacuum Motor	24 VDC, 3/4 HP, 3-stage peripheral bypass.

PRODUCTION

Cleaning Rate	10,230 sq. ft. (950 sq. m) per hour (avg.)
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BATTERY SYSTEM

Battery Options	Sealed gel cell deep cycle, 180 AH, 24 VDC output.
Run Time	Approximately four hours for 180 AH.
Charger Unit	20 Amp, 24 VDC output, 115 VAC input with automatic shut-off.
Battery Pack Weight	280 lbs. (127 kg) for 180 AH pack.
Battery Cart Weight	65 lbs. (30 kg), ball transfers on both cart and machine allow for easy change. Locking casters keep cart stationary during transfer.

CONSTRUCTION

Frame	Powder coated 5052 aluminum and stainless steel.
Brush Head	Powder coated steel weldment.
Machine Length	55" (140 cm)
Machine Height	42-1/2" (108 cm)
Machine Width	19" (48 cm)
Squeegee Width	34-1/2" (88 cm)
Weight (machine only)	325 lbs. (147 kg)
Weight (with 180 AH)	605 lbs. (274 kg)
Weight (with 220 AH)	675 lbs. (306 kg)*