

Cylindrical Brush Automatic Floor Scrubbers

Windsor Industries proudly introduces a unique family of cylindrical brush automatic floor scrubbers.

This innovative product range is designed for end users and contract cleaners that have a variety of difficult to clean commercial floors in one facility, or any individual floor surface where the unique benefits of cylindrical brush scrubbers are required.

Numerous standard and optional features allow you to customize one machine for numerous cleaning tasks.

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Windsor Cylindrical Brush Technology

One technology for all commercial floor surfaces!

In today's world of commercial construction it is not uncommon to see numerous floor surfaces installed in one facility. A typical hospital, nursing home or school may utilize many different types of floors surfaces. Most of these floors are designed for appearance, longevity and slip and fall resistance. With all of these features they can be very difficult to clean!

Windsor offers a complete range of commercial cylindrical brush floor scrubbers designed to clean a variety of standard and structured floors in commercial and industrial applications. With a simple change of the brushes the machine switches from cleaning hallway floors, gym floors and cafeteria floors to cleaning back room areas such as grouted kitchen floors, rubber floors and concrete floors. Cylindrical scrubbers work well on VCT, ceramic, porecelan, terrazzo, rubber, wood and concrete floors.

Cylindrical brush cleaning technology has existed for many year's, traditionally it has been reserved for cleaning industrial facilities and grouted tile floors. Windsor recommends the utilization of this technology for all types of commercial hard floor surfaces because of the wide variety of brushes and unique machine features.

Windsor's Cylindrical Brush Scrubbers Features and Benefits:

- *Greater Down Pressure:* Up to 6 times greater than comparable disc machines.
- *Greater Brush Speed:* Brush Speeds up to 1500 RPM:
- *FACT:* Three cleaning speeds.(Fine Clean, Whisper Clean, Power Clean)
- *Wet pre-sweep:* Integrated wet-pre sweep and debris hopper.
- *Water Savings:* Approximately 30% water savings when compared to disc machines.
- *Color Coded Brushes:* Brush colors match floor pad color codes.
- *Self Cleaning Brushes:* Higher brush rpm prevents loading of brushes.
- *Reduced Floor Pad Usage:* One set of brushes can outlast as many as 300 pads.
- *EZ controller:* a single dial selector operators all machine cleaning functions.



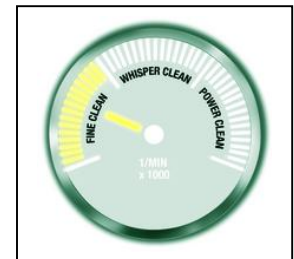


FACT

Another Windsor Innovation (Fine Clean, Whisper Clean, Power Clean)

Several Windsor cylindrical brush auto scrubbers include a unique brush speed control feature called FACT. (Flexible Application Control Technology)

FACT is designed to allow the operator to select the best suited brush speed for each cleaning application. Each machine with FACT will have a control dial that allows the operator to select Fine Clean, Whisper Clean and Power Clean.



Fine Clean: (40% of maximum brush speed)

The fine cleaning speed is the slowest and quietest cleaning speed. At 300 to 500 RPM the fine clean setting is ideal for unfinished ceramic, porcelain and delicate tile floor surfaces. This setting can significantly increase battery life between 20-30 minutes while decreasing pre-mature brush wear.

Whisper Clean: (60% of maximum brush speed)

The Whisper cleaning speed is a Medium and very quiet cleaning speed. At 700 to 800 RPM the Whisper clean setting is ideal for everyday cleaning and maintenance of floor. This setting can be used to scrub and pick up surface dirt on relatively well maintained floors. With only 60% of the highest scrubbing speed the Whisper Clean feature will clean 100% of everyday common dirt and dust that find its way to a floor from regular foot traffic.

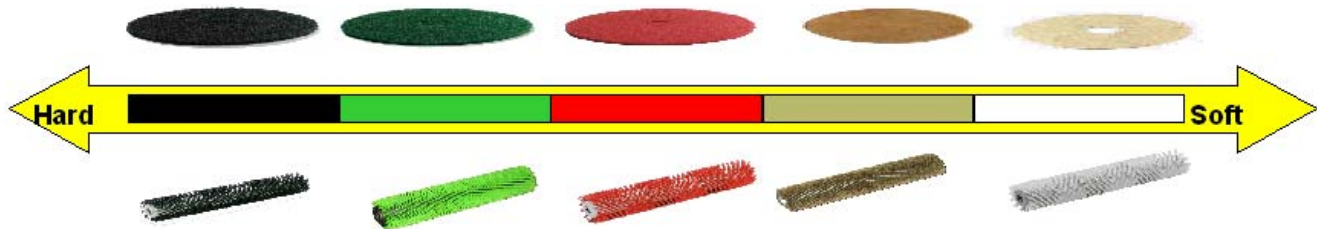
This setting can significantly increase battery life between 10-20 minutes while decreasing pre-mature brush wear. Changing between settings is effortless.

Power Clean: (100% of maximum brush speed)

The Power cleaning speed is the Heavy Duty scrubbing speed. With the correct brushes and 1500 RPM the Power clean setting is ideal for heavy duty cleaning, top scrubbing and stripping. This setting is used for the dirtiest floors in Industry, Automotive, Contract Cleaning and Schools. Power clean allows the operator to achieve maximum scrubbing potential

Color-Coded Cylindrical Brushes

Floor Pad and Brush Colors United!



An Industry First

Not listed above: HI-LOW Grout Brush: ORANGE

All Windsor cylindrical scrub brushes are color coded to match the commonly recognized floor pad color chart.

Job matched brush color coding is a simple feature that can be very different and confusing from one brush manufacturers to the next.

With increasing demand for cylindrical brush scrubbers it is only natural to make the brush selection simple for the end user to understand. The end user may or may not be a skilled laborer. But chances are he understands quickly that a white pad is the softest and black pad is the most aggressive.

By making the brush selection easy to understand we make cylindrical brush scrubbing a simple technology.



Brush	Hi/Lo	Soft	Medium	Aggressive
Color	Orange	White	Red	Green/Black
Application	Grouted/textured and structured floors.	All purpose, maintenance clean, mopping	Deep cleaning, top scrubbing	Restorative heavy duty clean, stripping.

Non-Proprietary

DOSE

(On Board Precise Detergent Metering)



DOSE is a new Windsor Innovation designed to take the difficult task of precise detergent metering out of the operators hands thus increasing operator safety and reduce detergent waste.

DOSE is a precise on board detergent metering system that is superior to all competitive on board metering system currently available today. The Windsor DOSE system is non-proprietary and comes with an empty unlabeled detergent bottle. End users may select the detergent of their choice to use in the DOSE system. Harsh detergents should not be run through the DOSE system.

All detergent metering systems are designed for everyday maintenance cleaning. Higher detergent concentration can be added directly to the floor or may be added to the solution tank.

Key Benefits of DOSE

- **Operator Safety:** eliminates the machine operators direct contact with the detergent concentrates.
- **Exact Dilution rates:** The DOSE system delivers variable dilutions rates of .5% to 3 % and can be adjusted in .5% increments. (The overall accuracy is 98% precise)
- **Eliminate Detergent Waste:** Detergent waste equates to money savings.
- **Change Detergent on Demand:** Change detergents without draining solution tank.
- **Rinse Feature:** Without detergent in the solution tank the operator can rinse the floor with clean water removing all residual detergent.
- **Green Cleaning:** Water and detergent savings promote positive Green Cleaning.
- **Labor Savings:** Proper dilution rates reduce cleaning times and reduce refill times and equal labor savings.
- **Solution Tank Protection:** Solution tanks and water lines are protected from harsh solutions. Detergent never enters the solution tank

Constant 98% Precision Rate!

The Dose system utilizes a peristaltic pump and a flow rate sensor. The pump operates with a tube and roller design, as the roller spins the detergent is pulled in to the detergent tube at an exact rate which can be increased and decreased at the operator control panel. The flow rate sensor increases and decreases the detergent injection based on the water flow rate. (Unique to DOSE)

DOSE delivers the most precise dilution rate in the cleaning equipment industry. Competing manufactures dilution rates can be as low as 80% based on the water flow rate and they do not use a water flow sensor.

