



# FLOOR CARE

Solutions For Every Environment



Keeping floors clean can range from a general sweep-and-collect to larger industrial and commercial jobs. With all the different floor types, the size of the area to clean, the kind of debris being cleaned to the cleaning frequency, maneuverability, and general maintenance requirements, proper floor care equipment – like the jobs – come in all different shapes and sizes.

Consider what exactly needs to be cleaned. Indoor flooring tiles? Are they vinyl? Outdoor concrete? Carpeting? There are floor care machines that are designed to clean specific materials such as wood flooring, tiles, or concrete. If you are cleaning a large open area, look at the larger machines. For smaller areas, like an office with office furniture, a smaller machine with attachments for hard-to-reach places would work best.

The power source is also important. There are battery powered cleaners, in which case you want to check the charging capacity of the cleaner.

Others are wired for high voltage power, so you'll need to make sure your area is wired accordingly. For large areas like parking lots or shopping malls, you may want to invest in a floor care machine you can ride.

For all the different types available, we've provided this handy guide to make sure you get the right floor cleaning equipment for the job.



## CARPET EXTRACTORS

Helps remove stains and stubborn odors, making the carpet healthier and germ-free. Look for spin scrub brushes that can really penetrate and wash spots and stains. Extractors have several scrub modes for varying levels of extraction and cleaning.



## DUST COLLECTORS

Dust collectors are used in areas where there is excessive dust, particle production, or harmful gases and chemicals in the air. Prolonged exposure can lead to respiratory issues or damaged eye sight if not collected properly. Stationary and mobile dust collector styles are available.



## FLOOR BURNISHERS

Floor burnishers treat any type of hard floor including tile, marble, concrete, and wood. Most burnishers have a circular rotating disc – pad or brush – with varying speeds for cleaning, stripping, buffing, polishing, and more.



## FLOOR DRYERS

Commercial and industrial air movers are essential pieces of equipment for restoration efforts, mold removal, flood or water damage recovery, and more. Make sure they have high density polyethylene housing and kickstand for varying operating positions and to direct air flow.



## FLOOR MACHINES

Floor machines provide scrubbing, buffing, polishing, and stripping for wet hard floors, tiles floors, and carpets. Look for corrosion and impact resistance with a good sized reservoir to spend more time cleaning than filling the tank.



## GRINDERS & POLISHERS

Floor grinders are used to repair damaged surfaces, level uneven joints, and polish and smooth surfaces. Varying types of grinders use rotating discs for smoothing, leveling, or cleaning concrete. While the sizes are somewhat standard, the disc size is the variable. There are single, dual, and four disc styles.



## SCRUBBERS

Floor scrubbers use a cleaning solution and rotary pads to clean and lift residuals from the surface. Walk behind and ride on styles are available depending on the size of the area to be scrubbed. They leave behind less water so the surface dries more quickly.



## SWEEPERS

Floor sweepers provide light duty cleaning on various hard floor surfaces. The brush system efficiently collects and contains paper pieces, plastic, and other small debris (not for dust particles). Most are height adjustable for different floor levels.



## VACUUM BLOWERS

Vacuum blowers are used to clean office electronics and appliances that are sensitive to dust such as computers and printers. Anti-static models prevent static generating during cleaning. They are designed to reduce electrostatic discharge and keep electronics operating correctly.



## BACKPACK VACUUMS

Backpack vacuums provide cleaning power and mobility for cleaning industrial and commercial areas. The attached hose can be lifted easily and get into hard-to-reach areas in office spaces. Look for one that directs exhaust away from the user.



## CANISTER VACUUMS

Canister vacuums deliver almost twice the power and are easier to maneuver than uprights, so they are ideal for offices, foodservice, industrial, and commercial floors. The hose and suction power can be used for under and around furniture or stairs.



## HEPA VACUUMS

HEPA backpack vacuums trap particles that can trigger asthma or allergies, and provide constant air flow that direct exhaust away from the user. The backpack design provides mobility throughout your facility.



## HAND HELD/PORTABLE VACUUMS

These vacuums are lightweight and easy to use for smaller areas like vehicle interiors, stairs, around furniture, and on carpeting. Find one with a long power cord and ample filtration for going from space to space and to clean larger areas.



## ROBOTIC VACUUMS

Robotic vacuum cleaners are compact, computerized cleaners that automatically glide around designated areas. Spinning brushes pick up dirt and debris and send it to the vacuum storage bin. These vacuums are battery powered, so check the battery charge life against the areas to clean.



## STICK VACUUMS

Stick vacuums are a lightweight version of an upright. They are used to pick up daily dirt and unexpected dry messes in between routine vacuuming. Lightweight, easy to store, and very easy to use. Features like swivel steering and attachments enhance its use for light duty and small space applications.



## UPRIGHT VACUUMS

Uprights use motorized brushes for thorough cleaning of thick carpets and rugs. They also easily transition between floors and carpets and have a wide cleaning path, so they provide cleaning power for large areas, offices, storerooms, or industrial spaces.



## GARAGE/WALL MOUNT VACUUMS

Wall mounted vacuums take up less room while providing enough cleaning power for vehicle interiors, garage floors, industrial and commercial warehouse floors, storerooms, and more. The long hose cleans hard-to-reach areas easily, and the automatic float shut off prevents wet pickup overflow.



## WET DRY VACUUMS

These vacuums can be used to pick up debris, dust, water and other liquids. Choose the right filter – use a foam filter to vacuum water and liquids, and a paper filter for debris and dust particles. Wet dry vacs are frequently used to resolve flooding or water damage as they provide heavy duty drying power.

## Self-Propelled Scrubbers

Perfect for navigating through doorways and smaller spaces, so they're good for cleaning showrooms, office spaces, breakrooms, and more.

- Disk pads or brushes combine with water and soap to scrub surfaces
- Vacuum and squeegee system retrieves dirty water
- Larger tank capacities reduce emptying and filling time
- Uses an electric motor and requires less effort to operate



Depending on your cleaning frequency and the areas that need to be cleaned, you'll want the scrubber that increases productivity, reduces overall cleaning time, and cleans thoroughly.

Scrubbers with large tank capacities will reduce time for emptying and refilling, and cleaning widths of 34" are ideal for large flat areas such as warehouses, but will not be able to reach under tables in smaller areas. The Ride-on will clean the most square feet in an hour – increasing productivity and reducing operator fatigue – but are not ideal for smaller spaces or hard-to-reach areas.

All scrubbers clean concrete, vinyl, tile, laminated, painted, and marble floors. Battery operated scrubbers eliminate long power cords, but check for an on board charging function to maintain a smooth work flow.

## Pad Assist Cleaners

These machines 'assist' the operator forward by the friction of the scrub deck against the floor. Simply tilt the machine forward to enable the spinning pad.

- Cleans moderately large areas and can maneuver into compact spaces like under tables or chairs
- Best suited for commercial spaces such as conference areas, lobbies, or offices



STYLE	Coverage Sq. Ft./Hour (area)	Cleaning Width	Tank Capacity Solution/Recovery	User Effectiveness	Price
Pad-Assist	up to 21,000 (small/medium)	up to 20"	up to 13/15 gal	GOOD (Some operator fatigue)	\$
Self-Propelled	up to 26,000 (small/medium)	up to 20"	up to 12/15 gal	BETTER (Moderate operator fatigue)	\$\$
Ride-On	up to 60,170 (large)	up to 34"	40/45 gal	BEST (Significantly reduced operator fatigue)	\$\$\$



## Auto Ride-On Floor Scrubbers



- They cover more square feet per hour
- Larger solution/recovery tanks, so you can get more done in less time
- Reduced operator fatigue

# Floor Machines

# Floor Burnishers



## It's all about speed

**Low speed** floor machines (150-175 RPMs) are designed to strip, scrub, and provide low polish on most types of hard floor surfaces – including concrete.

- Use in areas of less than 2,000 sq. ft. or space with obstacles
- Pad diameters range from 13" to 20"
- Larger pads range from 17 - 20" and are used in open spaces such as classrooms, gymnasium floors, cafeterias, and more

**High speed** floor machines (200-330 RPMs) are used for scrubbing and cleaning hard floors. The higher RPM speed, the higher the cleaning level.

- Best for use in larger areas with less obstacles
- Single and dual speed available
- Standard 17" - 20" diameter

17" Floor Machine is ideal for use on wet floors, tile floors, and carpets (261117)

Rear wheels allow the user to tilt and roll the machine with ease



From everyday cleaning and tough scrubbing challenges to stripping, buffing, and polishing, finding the floor machine you need that increases productivity and efficiency can be challenging. So how can you make the best decision?

First understand that floor machines are for cleaning and general maintenance. Floor buffers/burnishers will apply and buff surfaces for varying levels of shine, however they can also clean, as long as you have the right speed (low RPMs) and pad size. Most floor machines and floor burnishers will work on any hard indoor or outdoor floor surface – including stone, linoleum, tile, wood, and concrete.

What is your surface? Do you need a machine for outdoor use and concrete? Does your area have chairs, desks, and other obstacles? Do you need to go up and down stairs? Machines with wheels that tilt work well on inclines or stairs. A smaller machine diameter will maneuver better in tight areas or areas with obstacles. Other features absorb vibration or provide torque control for ease of use.

Consider the square footage of the area and what kind of work you want to do on the floors to determine the best machine. Do you want low noise output? Do you need to get your work done quickly and reduce operator fatigue?



## It's time to shine

Burnishing and buffing can restore gloss and shine to floors, as well as provide residual cleaning. The same rule of thumb applies here: the higher the RPM speed, the higher the shine. Take care to use the correct pad and understand the surface you are working with. (For more on floor pads, see the Floor Pad guide on page 15.) Softer grit pads can be used to even out flooring, create low shine, or to add several wax applications.

- The finish produced by burnishers is smoother and easily maintained
- Normal mode of operation is in a straight line pass
- Machines generate friction which smooths floor finishes (evening out highs and lows of finish)
- Low sound levels and vibration increase user comfort

Provides full pad-to-floor contact for a high gloss, wet look shine

Features self-adjusting pad drive that burnishes uneven surface areas evenly (239548)



A high speed burnisher – 1,500 to 2,500 RPMs – creates a higher shine in a shorter amount of time, but it needs sufficient coats of finish or the flooring can become worn. Again, it depends on the condition of the floor and how many coats are being applied.

### Floor Machines vs. Floor Burnishers

Application	Floor Machine	Floor Burnisher
Scrubbing	●	
Polishing	● Low Shine	● High Shine
Wax/polyurethane application	●	●
Large Areas	●	●
Small Areas	●	●
Indoor/Outdoor	●	●
Cleaning	●	Residual Only
All Floor Types	●	●

#### ADDITIONAL FEATURES MAY INCLUDE:

- Passive dust control
- Safety lock-out switch on handle
- Vibration absorption and torque control
- Flexible pad holder (conforms to floor irregularities)
- Full pad-to-floor contact provides a high gloss, wet look shine
- Safety lock-out switch on handle
- Rear mounted wheels tilt and roll



## Capacity Is Key

The capacity of a vacuum determines how efficient the cleaning process will be. The quicker the bag, collection cup, or hopper fills, the more frequently it will need to be changed or emptied resulting in added labor expenses. Lower capacities are ideal for smaller jobs, while higher capacities are best for larger spaces and longer cleaning times.

Durable polymer tank resists dents and corrosion and offers a 6 gallon capacity (261153)



## Wet Dry Vacuums

Wet dry vacuums offer flexibility for dry debris and liquid cleanup. There are two types of filters a user can choose from – foam filters are used for water and liquid applications, while paper filters are for dry debris and dust particles. Plastic collection tanks are lighter and resist dents and corrosion, while stainless steel tanks are more durable and easier to clean. For picking up large amounts of water, choose a vacuum with a high tank capacity and a tank drain for easy emptying.

- For cleanup that involves a lot of water, get a large tank capacity so cleanup goes more smoothly
- For smaller spaces, look for portable wet/dry vacuums that store easily

## Hand Held/Portable Vacuums



Ideal for cleaning small messes such as spilled food, dirty footprints, car mats, and floors. Compact design is easy to carry and easy to store. Attachments help users clean hard to reach areas.

## Watch Your Back

Backpack vacuums give you portability for cleanup efforts. These vacuums are more productive with increased mobility, and can clean up to 7,407 square feet per hour.

- Reduce costs, saving you nearly \$72K per year for every 100,000 square feet cleaned\*
- Ergonomic, lightweight, balanced, and helps reduce risk of worker injury
- Healthier. The advanced filtration systems capture dangerous particles

### CORDED VS. CORDLESS

Corded vacuums often offer more suction power and do not need to be recharged, but users are restricted by cord length.

Cordless vacuums are not limited by cord length or power sources making them easier to maneuver, but require batteries to be recharged.



Features a long telescoping wand to extend cleaning reach (261503)



\*Based on \$11 average hourly wage



## Canister Vacuums

Canister vacuums are lightweight and easier to carry. The hose and other attachments provide better maneuverability to clean stairs, upholstery, drapes, and other hard-to-reach areas. Bagged and bagless versions available. Up to 16 quart tank capacity.

- Offer similar cleaning options as upright vacuums but have increased mobility
- Work well on stairs or areas with varying levels
- Users should be comfortable carrying the weight of the canisters



## Breathe Easy

HEPA Vacuums can be used for cleaning, removing mold, remediating asbestos, and heavy duty service ranging from dry, light particulates to wet, heavy debris. Can be used in both portable and stationary applications. Minimum efficiency of 99.97% at .3 microns.

- Available in a variety of styles including upright, canister, and backpack
- Models with detachable trolleys or casters provide stationary and portable use
- Improves air quality by preventing the emission of contaminants and impurities

## A DIY Dream

Wall Mount/Garage Vacuums are perfect for garages, workshops, and loading docks and can double as car or household vacuums for spot cleaning. Mounting brackets provide safe, out-of-the-way storage. Vacuums can include a variety of nozzles for different applications.



## If I Only Had A Brain

Robotic vacuums are controlled by a remote or by artificial intelligence and are ideal for cleaning hard-to-reach areas like under furniture and beds to collect unseen dust, allergens, and pet hair. Also good for continuous cleaning with limited attention. Models with UV light sterilize while it cleans. Up to 5/8 gallon dust box capacity.



## The Power Is In Your Hands

These vacuums work well in commercial environments for large office cleaning and general cleaning maintenance for carpets, rugs, hardwood floors, and more. Variable height allows easy switch from floor to carpet. Dirt is collected in disposable paper bags or easy-to-empty cups. Cleaning width up to 18".

- Upright vacuums are easy to operate since the user pushes the machine in front of them
- Good for doing a deep clean on carpets and rugs
- Ideal for open, flat areas; not all uprights fit well under furniture

### BAGGED VS. BAGLESS

Bagged vacuums are ideal for containing dirt and allergens but will need bag replacements.

Bagless vacuums, while saving the cost of replacing bags and making dirt disposal easy, can expose users to dust and allergens.



## Sweeper & Stick Vacuums

Stick vacuums are available in corded or cordless versions, and are best for small rooms or light duty tasks. Attachments help with collecting dirt from edges and corners. Sweeper vacuums can be non-powered or battery operated with run times up to 40 minutes – and are best used on bare floors and low pile carpets for daily dirt and dry messes in between routine or deeper vacuuming. Rotating brush works quickly. No-touch dirt container releases dirt into receptacle hands-free. Up to 12.5" cleaning width.

## A Daily Grind

Grinders and polishers provide cutting, grinding, polishing, refinishing, and other floor surface maintenance. Most models can be used on floors, stairs, countertops, ledges, walls, and more.

- Provide surface maintenance including cutting, grinding, polishing, and refinishing
- Various tool packages are available for applications such as concrete surface preparation, concrete/stone polishing, epoxy removal, wood deck restoration, and wood floor sanding
- Handheld machines are ideal for use on stairs, ledges, and countertops.

Runs as a grinder, polisher, and burnisher all in one to help increase productivity (B2227552)



Designed to polish and grind various concrete surfaces while removing coatings (B2214366)

## Dust Collectors

Dust collectors work with larger air filtration systems in accordance with new OSHA standards for respirable silica and other harmful dust particles from sanding or cutting applications.

- Reliable dust and chip removal
- Quiet operation
- Stationary, mobile, and hanging units available
- Filters improve particle reduction for increased efficiency
- Elbows allow duct work directional change or connection
- Some models available with remote control, timer, multiple speeds



Portable steel dust collector helps keep workspaces free of sawdust and improves air quality (B2024349)

## Carpet Extractors

There are two types of carpet extractors:

Box extractors pump water from the solution tank to the upholstery tool or wand, then extracted through the wand and vacuum hose to the recovery tank.

Self-contained extractors pump water from the solution tank directly to the brushes. The vacuum bar vacuums the dirty water into the recovery tank.

- Use the self-contained extractor for large commercial jobs because they can quickly clean larger areas. There are also no hoses to trip over but some models have hose attachments for hard-to-reach places. These tend to be heavier and might be more difficult to get up and down stairs.
- Box extractors are very versatile, and get into much smaller spaces easily with the hose attachment. Ideal for cleaning areas with obstacles such as offices or schools. With a powered brush attachment, you can use it as both a box extractor and powered brush machine.



The flow indicator provides an easy monitor for water and solution levels during use (261498)

### TIP

Manual push sweepers can pick up debris such as metal shavings and nails in machine shops, paper shreds in offices and parking lot debris, and effectively reduces hand sweeping fatigue. Battery operated push sweepers have run times up to three hours, and cover up to 44,585 square feet per hour, so they are ideal for cleaning large areas.

## It's A Clean Sweep

Sweepers are designed to increase productivity, while driving down the total cost to clean. Some sweepers can be used indoor and outdoor.

Brush systems rotate to loosen and collect debris and deposit it into the intrinsic container. Sweepers can significantly reduce cleaning time and efficiency by almost 100 percent compared to manual techniques. Cordless models are battery operated and provide greater freedom of movement for long or large periods of cleaning. The kind of sweeper you need depends on the surface type and kind of debris you will pick up.



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Height adjustment allows for efficient cleaning on various terrains (442972)



Three speed operation with three height adjustment positions for optimum drying of floors, walls, and ceiling (261031)

## Dryer Than Ever

Floor Dryers are used for everything from flood recovery efforts, restoration, and mold and mildew removal when making sure you remove excess water quickly and effectively is of the utmost importance. What do you need? You need constant drying power with the flexibility of varying speeds and varying height levels so you can direct drying air where it's needed. Portable dryers will dry and help circulate hot air around a room – but make sure the area is ventilated so moist air can escape.



Floor dryers are not only used for flood recovery, mold and mildew prevention or removal efforts, they can be used for general drying for floors, wall, ceilings, drapes, and upholstery as well.

Low profile air movers are compact and powerful that function vertically or horizontally for easy stacking and storage. High static airflow moves quickly for thorough drying.

Centrifugal Air Movers have a fully integrated housing, and motor and parts design for balance and performance for restoration to janitorial and sanitation.

- Multiple speeds provide versatile drying needs
- 3-5 positions allows drying multiple areas or levels
- Built in handle lets you carry, move, or stack dryers



Low profile dryer provides concentrated airflow and offers 5 drying positions to dry floors, ceilings, walls and stairways quickly and efficiently. (B1032911)

Style	CFM High	RPM/Speed	HP	Special Features
Low Profile	885	1 Speed	Up to 1/4	5 drying positions; half the height of centrifugal dryers
Centrifugal	4000	3 Speeds	Up to 1	3 speed; 3 drying positions; built in handle, up to 25' L power cord

## Cleaning & Scrubbing Pads

As a general rule, floor machine pads are color coded with the darkest color having the most abrasive grit: black, purple, brown, green, red, blue, red, and white. Determine the hardness of the finish, your maintenance frequency, the chemical being used (cleaning, stripping, wax, or polyurethane solution) and the equipment before choosing a pad.

### TIP

Extend the life of your pads by using both sides of the pad, brushing it gently during rinsing, and taking it off the machine when it's not in use. When cleaned properly, these pads can strip up to 50,000 sq. ft.



## ACCESSORIES AND REPLACEMENT PARTS

- Squeegee Blades
- Scrub Brushes/Pad Drivers
- Vacuum Bags/Filters
- Belts
- Hoses
- Nozzles/Attachments



## CLEANERS

- Hard Floor/Carpet Cleaners
- Strippers
- Finishes



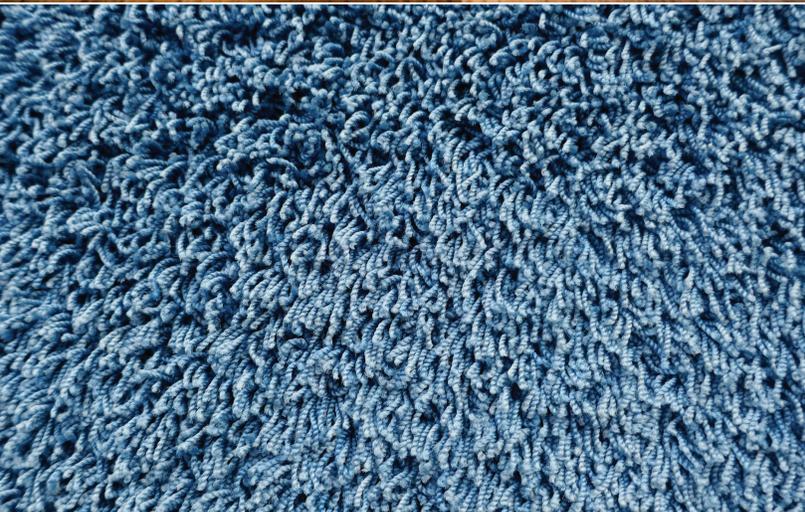
Pad Color	Application	The Pads	What they do best
WHITE	Light Polishing	Nylon and Polyester Pads	Softer for buffing and polishing; high speed
RED	Buffing and light cleaning		
BLUE	Scrubbing, heavy duty spray cleaning	Natural Fiber (Hog hair, coconut, etc.)	Coarser, for cleaning and stripping; ultra high speeds; biodegradable
GREEN	Heavy duty wet scrubbing; light stripping		
BROWN	Wet/dry stripping		
BLACK	Heavy duty wet stripping	100% Synthetic Pad	Low-speed scrubbing or stripping jobs with wet solutions
PURPLE	Extra heavy duty stripping		

**Buffing pads** are lightest in color and remove scuff marks and dirt. It brings a semi-gloss back to the wax. Used at 175 - 600 RPM.

**Cleaning pads** are more aggressive than buffing pads, and remove dirt from a floor's surface without removing its finish.

**Scrubbing pads** are more abrasive than cleaning pads and will remove the top layer or two of wax.

**Burnishing pads** for polishing and waxing run 1,000 to 3,000 RPMs and apply heat and pressure to effectively remove wax.



**From tile and hardwood to carpet,  
we've got your floor covered.**