



NSS ENTERPRISES, INC.





Integrity at work.

About NSS Enterprises

Even after 100 years of business, there is a consistent thread running through our company. These fundamental business principles shape our thinking and inform everything we do.

Cleaning machines that work year after year

We know our products are more than cleaning machines. They're your livelihood. Whether you're a cleaning contractor or a facility manager, you've got a job to do and the last thing you need to worry about is malfunctioning equipment. When it comes to durability, "good enough" is just a starting point for NSS Enterprises. From our first product, the Model M-1 vacuum cleaner, to the products we build today, machines that last an exceptionally long time are fundamental to our product line. In a time when cutting corners has become the norm, we have stayed true to our mission to produce problem-free machines.

Putting long-term relationships ahead of short-term gains

Complementing our belief in solidly built equipment, we believe good business comes from solid relationships. When you value long-term relationships, something very interesting happens. Your customers become your advocates. People have an inherent sense of a good deal—when they know they're being treated fairly, the relationship grows.

Keeping the indoor and outdoor environment clean

Looking back at our history through today's lens, we came to realize we've been on a mission of conservation for a long time. Back in 1911, NSS Enterprises started making a vacuum cleaner that was built to last. Durable and serviceable equipment stays on the job, and out of landfills, longer. Back then, we believed we were creating value through durability. In the 1930s, NSS Enterprises was selling equipment to clean boilers. A clean boiler is more efficient and uses less energy than a dirty boiler. Clearly, NSS Enterprises has a long history of green products and that commitment continues today with more recent innovations such as accessories that allow our scrubbers to strip a floor with little or no chemical involved.

NSS Enterprises, Inc. is a multi-generational family company. From our ISO 9000 registered headquarters and manufacturing facility in Toledo, Ohio, NSS Enterprises ships products to over 60 countries. NSS products are warehoused in New England, Southern California, the United Kingdom, Dubai, and Hong Kong. Over 400 authorized distributors and service centers provide field service in the United States and around the world.

NSS has always been driven by a belief that the act of cleaning should Do No Harm® to the environment or our customer-operators.

Durability - Our Sustainability Strategy

At NSS, we believe that the best way to contribute to improving sustainability is through the design of products that stay on the job longer. Use our equipment well beyond the typical life of our competitor's products—that doesn't bother us at all. If our equipment is still scrubbing and polishing your floors or vacuuming your carpets seven, ten, or fifteen years from now, we know that we've made a difference by keeping one more machine out of the landfill.

Durability is a combination of two factors; structural integrity and repairability. The best place to see our commitment to the structural integrity of our designs is on your back, looking up. Underneath our machines you will find heavy-gauge steel, durable coatings and reliable drive systems. Repairability is a business we take very seriously around here. With over 400 authorized service centers, 6,000 different service parts in stock and easy after-market repairs designed into every machine, your equipment won't be on the bench for long when repairs are needed.



Look for the Do No Harm® logo on NSS literature to find out why a product is environmentally preferred.

NSS® and the LEED® green building certification program

The LEED green building certification program is the nationally accepted benchmark for the design, construction and operation of green buildings.

For any cleaning application, NSS has a product that meets the LEED performance criteria found in EQ Credit: Green Cleaning - Equipment. These requirements include Carpet and Rug Institute Seal Of Approval, maximum noise levels, variable-speed feed pumps and on-board chemical metering, environmentally preferred gel batteries, and bumpers to reduce potential damage to building surfaces.

Products are not reviewed or certified under LEED. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information on LEED, visit www.usgbc.org/leed

Case Study: If Only This Pig Could Talk

Back in the 1940s, NSS introduced the now-famous "Pig" vacuum cleaner, an early ancestor of today's M-1. Its design was revolutionary and simplicity itself—a very high quality motor enclosed in a rugged cast aluminum alloy body with a protective "trap" in the front for long term durability.

The rest of the story: We re-discovered this "Pig" in 1995 at a movie theater in Indianapolis. It was still being used every day to suck up popcorn and dropped candy—a full fifty years after it was purchased. And we wouldn't be surprised to learn about other early "Pigs" still hard at work. The bottom line: product durability is one of the most environmentally friendly attributes. Because

NSS machines last and last, you won't find them in landfills anytime soon, so the environmental impact is minimal.

This Pig was used about twenty times longer than a typical commercial upright. There are about 400 fewer pounds of broken vacuum cleaners in the landfill today thanks to this one Pig. Considering the tens of thousands of NSS M-1 Pig machines in use worldwide, landfill content is reduced by hundreds of tons per year.



This M-1 "Pig" was found in service 50 years after it was built. We replaced it with a new one and it is now proudly displayed in our front lobby in Toledo, Ohio.

Case Study: Reduce chemical usage with the Do No Harm Ecostrip Pad

Stripping floor finish has never been easier than with the Do No Harm Ecostrip pad. Remove yellow top coats with just water, leaving a surface that is ready for additional finish. Ecostrip pads use an abrasive coating not found in other stripping pads to turn the top coats of finish into a dust-free slurry which is easily collected by an automatic scrubber. Ecostrip pads can be used with most Wrangler and Champ scrubbers and any NSS floor machine.



NSS and the Carpet & Rug Institute

The CRI Seal of Approval program identifies effective carpet cleaning solutions and equipment that clean carpets right the first time and protect a facility's carpet investment. The seal of approval means that vacuums have been tested for soil removal, dust containment and carpet fiber retention. For extractors, it is a certification of their soil removal, water recovery and carpet appearance retention. Many NSS upright vacuums, wide-area vacuums, backpack vacuums and carpet extractors proudly carry this badge of distinction.



Ergonomics: Keeping employees healthy while cleaning for health

NSS knows that quality ergonomic design pays off by enhancing value with the economic benefits of improved productivity and greater worker comfort. Among the principal ergonomic features of NSS machines:

- Handles adjust to match any operator height
- Padded handles increase operator comfort
- All machines are designed to be compact and easy to maneuver
- Carrying handles on vacuums for safe, easy transport
- Flip-up pad drivers allow for ergonomically correct posture during pad changes



Creating high performance cleaning machines that "Do No Harm" entails more than building equipment with speed, power and capacity. That's why at NSS, our products are first "human engineered" with features to protect the health and safety of the operator.

Case Study: The Amazing Battery Burnisher

There's nothing like a burnisher to create a spectacularly high-gloss floor. Traditionally, large burnishers have been powered by propane, which has undesirable side effects including exhaust fumes, noise, heat and vibration. For years, the end result seemed to justify the means. But was there a better, safer way to burnish?

NSS worked on a better idea and the result is the revolutionary Charger family of battery burnishers, high performance battery-powered burnishers with a host of user-friendly ergonomic features. The unique flip-up pad driver makes changing pads from an ergonomically correct position easy. The most effective dust collection system ever put on a burnisher keeps indoor air clean

and at 68 dBA, the Charger burnishers are a welcome change from the potentially harmful 89 dBA, typical for a propane burnisher.



Sentry™



Wireless Equipment Monitoring

Sentry™ helps you to optimize productivity by allowing you to remotely monitor your battery powered cleaning equipment fleet. By collecting and organizing machine information, Sentry lets you make smarter decisions about maintenance and avoid costly penalties caused by equipment downtime. Review the information collected from your equipment using any internet connected computer, smart phone, or tablet.

- Productivity Management – Remotely track equipment usage and battery charging to improve operational performance.
- Predictive Planned Maintenance – Cross referencing equipment runtime and component life expectations allows smarter preventive maintenance.
- One-touch service request – Operators or Technicians can instantly request remote repair service assistance.

How The Sentry Works

- A small transmitter is installed into the machine.
- When the machine is in an area with cell phone reception, data is transmitted from the machine to a database.
- View reports over the internet by logging into the database website with your own personal login.
- Information collected from your equipment can be displayed, sorted and filtered.



Information Collected

- Machine run time: Sentry will record the number of hours the equipment ran each day.
- Battery charging time: Sentry will record each battery charging session longer than 5 minutes.
- Impact detection: Sentry has a built-in accelerometer that records any shocks to the machine. If the machine hits something, the time of the impact is recorded along with the maximum force encountered.
- Battery Maintenance Reminder: The Sentry system includes a countdown timer that will sound an alarm when the machine needs battery maintenance. After 100 hours of use or 90 days, whichever comes first, the system will sound an alarm. By pressing the "Maintenance Performed" button on the keypad, the system records the time and date of the maintenance and resets the countdown timer.
- Battery Age Tracking: Press the "New Batteries Installed" button and the system will record the time and date. Use this information to plan and budget for battery replacement.
- Request for service: By pressing the "Maintenance Performed" and "Silence Alarm" buttons at the same time, Sentry will send a message to the database indicating that service is needed. For more immediate notification, Sentry can also send an email to anyone you designate.





Automatic Scrubbers

NSS automatic scrubbers are famous for their quality, performance, and simplicity. Each is built for the rigors of heavy-duty commercial and industrial use. Instead of trendy bells and whistles, NSS designs in reliable mechanisms to simplify operator training and reduce service repair requirements.

Sizable solution and recovery tanks mean less filling and emptying, saving time and labor dollars. Powerful vacuum motors and swing squeegees assure excellent water pick-up, even on turns. Breakaway squeegee assemblies—straight and curved are available—install quickly and minimize the potential for damage. And for added convenience, standard on-board battery chargers simplify recharging.

Champ ride-on scrubbers are designed for safe operation. The open operator compartment provides maximum forward visibility. A single, non-slip drive wheel turns 90 degrees in both directions, providing incredible maneuverability.

Wrangler® walk-behind scrubbers set the standard for reliability and durability. Ask a service technician and you will find NSS equipment stays on the job longer and needs fewer repairs.

Most battery powered equipment is available with a factory installed Auto-Fill Battery Watering System.



Champ 3529

- 35-inch/89-cm scrub path with a 46-inch/117-cm curved squeegee
- 29-gal/110-l solution tank and oversized 32-gal/121-l recovery tank
- 1 HP drive motor with three forward speeds
- 2.5 HP brush motor, adjustable 220-300 RPM brush speed
- Shown with optional headlight, flashing operation light, and safety bumper



Champ 3329

- 33-inch/84-cm scrub path with a 33-inch/84-cm curved squeegee
- 29-gal/110-L solution tank and oversized 32-gal/121-L recovery tank
- 1 HP drive motor with two forward speeds
- 2 HP brush motor, 300 RPM brush speed



Champ 2929

- 29-inch/74-cm scrub path with a 33-inch/84-cm curved squeegee
- 29-gal/110-L solution tank and oversized 32-gal/121-L recovery tank
- 1 HP drive motor with two forward speeds
- 2 HP brush motor, 300 RPM brush speed



ADD: Whisker

- Vacuumized Pre-sweep
- The Whisker eliminates up to 80% of dust mopping labor
- An active vacuum picks up fine dirt while sweeping. The Whisker is the only pre-sweep that includes an active vacuum motor
- The Whisker is available on all Champ models (3529, 3329, and 2929)



Wrangler 3330 DB/2730 DB

Rugged and maneuverable

- 33-inch/84-cm or 27-inch/69-cm scrub path; straight or curved squeegee
- 30-gal/114-l solution tank and 33-gal/125-l recovery tank
- Two 0.75 HP brush motors and a 0.75 HP vacuum motor
- Variable speed drive system and three scrub pressures



Wrangler 2625 DB

Mid-size with large scrubber features

- 25-inch/64-cm scrub path, straight or curved squeegee
- 25-gal/95-l solution tank; 27-gal/102-l recovery tank
- Two 0.75 HP brush motors and a 0.75 HP vacuum motor
- Variable speed propulsion and three scrub pressures
- Compact body designed for maneuverability



Wrangler 2016 DB/ AB/AE

Maneuverable, mid-size value

- 20-inch/51-cm scrub path; straight or curved squeegee
- 16-gal/61-l solution and 17-gal/64-l recovery tank
- 0.75 HP brush motor and a 0.75 HP vacuum motor
- Offset scrub head for superior edge cleaning
- Battery-powered wheel drive (DB) or pad drive (AB), and cord-electric pad drive (AE) models available

Advantage NSS

Add a variable-speed feed pump and the on-board metering of the **Sidekick Chemical Metering System** to any Wrangler 26, 27, 33, or Champ. The Sidekick helps reduce chemical usage, and saves money and time. This metering system adds chemical to water en route to the floor, keeping the solution tank clean. Designed to work with any brand of chemical.



SCRUBBER SELECTION GUIDE

Facility Size	Model
0-10,000 ft ² (0-900 m ²)	Wrangler 1503 AB
10,000-15,000 ft ² (900-1,400 m ²)	Wrangler 1710 AB
15,000-20,000 ft ² (1,400-1,850 m ²)	Wrangler 2010 AB
20,000-40,000 ft ² (1,850-3,700 m ²)	Wrangler 2016 AB/DB
40,000-50,000 ft ² (3,700-4,650 m ²)	Wrangler 2625 DB
50,000-70,000 ft ² (4,650-6,500 m ²)	Wrangler 2730 DB
70,000-90,000 ft ² (6,500-8,350 m ²)	Wrangler 3330 DB
90,000-140,000 ft ² (8,350-13,000 m ²)	Champ 2929
140,000-200,000 ft ² (13,000-18,500 m ²)	Champ 3329
200,000+ ft ² (18,500+ m ²)	Champ 3529



Wrangler 2010 AB & 1710 AB

The best values in compact scrubbers

- 20-inch/51-cm or 17-inch/43 cm scrub path; 32-inch curved squeegee
- 10-gal/38-L solution and 12-gal/45.5-L recovery tank
- 0.75 HP brush motor and a 0.5 HP vacuum motor
- Ergonomic handles, two 8-inch rear wheels, and swivel front casters for maneuverability



Wrangler 1503 AB

Incredible value in compact scrubbers

- 15-inch/38-cm scrub path; 18-inch curved squeegee
- 3.7-gal/14-L solution and 4.2-gal/16-L recovery tank
- 0.33 HP brush motor and a 0.4 HP vacuum motor
- Designed for applications less than 10,000 square feet (930 square meters), this Wrangler is perfectly sized for restrooms, convenience stores, and nursing home rooms.

Advantage NSS

NSS provides optional maintenance-free AGM batteries to fit most battery model machines.

Absorbed Glass Mat (AGM) batteries help you avoid issues like spillage that can occur with traditional flooded batteries. Sealed AGM batteries do not sulfate or degrade like flooded batteries do, since they are not vented to the atmosphere.

AGM batteries make operation and care of battery-powered machines easy.

DO NO HARM™



ADD: Auto-Fill Kits

- Used conscientiously in an overall battery maintenance program, the Auto-Fill battery watering system will extend battery life and reduce machine downtime
- Prevents too much water from being added—too much water can cause caustic spills
- Also prevents insufficient water from being added—not enough water can damage expensive batteries.

MACHINE CLEANING PATH

AISLE WIDTH

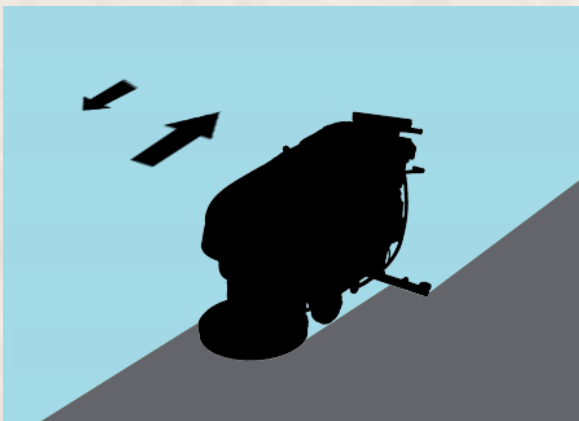
Number of passes required to clean aisles (2-inch overlap)

6 ft

8 ft

10 ft

12 ft



Wrangler 1710

6

7

8

9

Wrangler 2010-2016

5

6

8

9

Wrangler 2625 DB

4

5

6

7

Wrangler 2730 DB

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Wrangler 3330 DB

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Champ 2929

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Champ 3329

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Champ 3529

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5



Battery Burnishers

NSS battery burnishers were designed to help customers achieve a high-gloss shine while escaping the hassles of propane machines. The concerns with propane—frequent repairs, high maintenance costs, disruptive noise levels, indoor carbon monoxide emissions, exposed hot engine parts, and other safety issues—were only tolerated as there were no better options. Now that has changed.

Charger battery burnishers have the power and pad pressure to produce a high-gloss shine. Even better, quiet operation allows scheduling flexibility to burnish in occupied facilities anytime, with minimal disruption to customers and co-workers. To maintain indoor air quality, every Charger includes a Vac-Trac system to collect floor finish powder and pad dust.

Chargers are built for ease of operation and long life. Heavy-duty steel structures provide a solid, durable foundation. Standard on-board battery chargers assure convenient and consistent recharging anywhere there is an outlet available. Each machine is designed for easy pad changes—just one example of the many operator-friendly features designed into every NSS Charger battery burnisher.

Charger 2022 DB

Compact and maneuverable

- 20-inch/51-cm burnishing path
- 2.5 HP pad drive motor delivers a 2200 RPM pad speed
- Six 6V, 225 AH batteries for up to 3 hours runtime (Maintenance free AGM battery option available)
- Hinged 90° head mechanism for standing pad changes
- Variable speed wheel-drive (DB)
- The sulky attachment allows the operator to ride behind the burnisher, reducing fatigue



eForce Burnisher

Ride-on productivity and innovation

- The eForce™ Burnisher features the best burnishing technology in the industry combined with the superior productivity of a riding platform.
- 27-inch/69-cm work path
- 3.6 HP pad drive motor delivers 1700 RPM pad speed
- Six 6V, 430 AH batteries for up to 3 hours per charge (Maintenance free AGM battery option available)
- Patent-pending joystick control makes the eForce Burnisher simple to control and less fatiguing to drive



Charger 2717 DB/AB

Enhanced productivity and durability

- Consistently produces a high gloss shine without the need for operator adjustment
- 27-inch/69-cm work path
- 3.6 HP pad drive motor delivers 1700 RPM pad speed
- Six 6V, 325 AH batteries for up to 3 hours per charge (Maintenance free AGM battery option available)
- Hinged 90° head mechanism for compact storage and standing pad changes
- Quiet operation—only 68 dBA—means minimal disruption

Charger 2022 ABLT

Compact, economical maneuverability

- 20-inch/51-cm burnishing path
- 2.5 HP pad drive motor delivers a 2200 RPM pad speed
- Four 6V, 225 AH batteries for up to 2.5 hours runtime
- Hinged 90° head mechanism for compact storage and standing pad changes
- Pad-assist (AB) propulsion



Shown with head up for compact storage and standing pad changes



Cord-Electric Burnishers

NSS cord-electric burnishers produce a high-gloss shine and are built to last for years to come.

All NSS cord-electric burnishers have a powerful 1.5 HP motor and a built-in pad driver for smooth, balanced, and safe operation. Each is designed for quiet performance, operator comfort, and simple usage. The standard safety lockout mechanism helps prevent accidental or unauthorized use.

The brilliant finish from the ultra high-speed Charger 2500 is comparable to that produced by big battery machines. The Charger 1500—a hallmark of the NSS line—is unmatched for its durability and versatility. The 7-year warranty on these Chargers speaks for itself. The Mustang 1500, Mustang 1500 Vac-Trac, and Galaxy 1500 are outstanding performers, and outstanding values too.



Charger 2500

The Ultra High-Speed "Finisher"

- Produces a brilliant, high-gloss shine
- 20-inch/51-cm workpath
- 2500 RPM pad speed
- 1.5 HP motor for long life and exceptional results
- Adjustable pad pressure for optimal burnishing
- 7-year limited warranty



Charger 1500

Versatile, and built to be the best

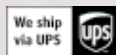
- Use to burnish, spray buff, or damp scrub
- 20-inch/51-cm workpath
- 1500 RPM pad speed for a wet-look shine
- 1.5 HP motor and a unique pad driver with inertial steel plate tackle any job with ease
- 7-year limited warranty



Galaxy 1500

Economical high gloss shine

- Produces high-gloss shine
- 20-inch/51-cm workpath
- 1.5 HP motor and 1500 RPM pad speed for productivity
- Built-in wheel carriage for easy transport on stairways



Mustang 1500

Dependable and affordable

- Produces a high-gloss shine
- 20-inch/51-cm workpath
- 1.5 HP motor and 1500 RPM pad speed for productivity
- Available with Vac-Trac filter for great IAQ
- Built-in wheel carriage for easy transport on stairways
- Safety-yellow bumper protects furniture and fixtures



Floor Machines

NSS floor machines are famed for quality, reliability, and easy operation. Is there a difference? Absolutely. Heavy-duty yellow safety cords are just one example of the engineering and quality built into every NSS floor machine.

A variety of machines are available to meet your job specifications and price point. Optional solution tanks are available for speed scrubbing and carpet shampooing. And a safety lockout mechanism restricts unauthorized or unintended operation.

Perform a wide variety of floor care operations—for both hard floors and carpet—with NSS floor machines. Use to polish, spray buff, scrub, or wet strip hard floors. Add a bonnet to clean carpet between extractions. Whatever your budget or application, NSS offers a durable floor machine to meet your needs.



Maverick 300

Ultimate versatility

- Variable speed—from 200 to 310 RPM—for multiple uses
- Powerful 1.5 HP, 66-frame motor
- Durable triple-idler planetary gearbox
- Structural foam pad driver
- 17-inch/34-cm or 20-inch/51-cm work path



Thoroughbred

Built to be the best

- Incredibly durable, dependable, and powerful
- Rugged, polished cast aluminum motor mount and skirt
- Heavy-duty 1 or 1.5 HP motor
- 11:1 planetary gear drive
- Structural foam pad driver
- 17-inch/34-cm or 20-inch/51-cm work path
- This rotary floor machine, with the addition of three 10-lb weights to its deck, is ideal for cleaning marble and stone floors



Mustang Series

Dependable and affordable

- Precision-balanced for smooth operation and maneuverability
- 1 or 1.5 HP, 66-frame motor
- Straight line planetary gear system efficiently transfers power
- 300 DS model operates at 300 RPM to polish/spray buff or at 180 RPM to scrub/wet strip
- 17-inch/34-cm or 20-inch/51-cm work path



Galaxy Series

Durable and economical

- Durable, chrome-plated base and handle for extended life
- Ergonomic handle adjustment and cord release
- 1 or 1.5 HP, 66-frame motor
- 300 DS model operates at 300 RPM to polish/spray buff or at 180 RPM to scrub/wet strip
- 17-inch/34-cm or 20-inch/51-cm work path





Sweepers

NSS sweepers keep your facility looking its best—inside and out. Built for long life, each model is easy to use and maneuverable. Three sweepers are available to clean any application or floor surface, including hard floors and carpet.

Choose the Manta RS 34 ride-on to sweep large areas quickly. The Sidewinder 27 MB is a compact battery-powered walk-behind sweeper, ideal for large areas. Replace your push broom with the Sidewinder 27 and sweep five times faster.



Manta RS 34

Ride-on efficiency

- Sweep large areas quickly, indoors or outdoors
- Fits through a standard door without removing brushes.
- 34-inch/86.2-cm total workpath
- 13.2 gal dry/50-l hopper
- Heavy-duty 0.5 HP drive motor for speeds up to 3.4 MPH
- Four 6V, 225 AH batteries provide up to 3 hours runtime
- On-board battery charger simplifies recharging

Sidewinder 27 MB

Battery-powered performance

- Battery-powered brushes provide for a highly maneuverable sweeper
- 27.5-inch/70-cm total workpath
- Large, 11.3 gal dry /43-l hopper
- 12V, 130 AH battery provides hours of continuous operation
- On-board battery charger recharges anywhere a plug is available



Sidewinder 27

Versatile and economical

- Increases productivity—up to 5 times faster than a push broom
- 27-inch/69-cm workpath
- 1.4 cu ft/40-l easily removable hopper
- Durable and lightweight
- Use indoors or outdoors on carpet or hard surfaces, even in damp conditions



Advantage NSS

NSS has always been driven by the belief that the act of cleaning should “do no harm” to our customer-operators or the environment.

The features of our “human engineered” products protect the health and safety of the operator. Durability, longevity, and flexibility are designed into every piece of NSS equipment. Because our products are built to last, you’ll find NSS equipment hard at work for years—and even decades—after competitors’ products have failed and made the trip to a landfill.

DO NO HARM™



Wet/Dry Vacuums

NSS offers three lines of wet/drys to provide options for any need and budget. Choose from the extreme performance BP Rangers, the affordable Colts, or the economical Alphas. All are versatile machines, handy for jobs ranging from dry spill pickup to stripping solution recovery.

Standard on all BP Ranger and Colt models, NSS's patented noise reduction system means quiet operation without diminishing vacuum performance. All BP Rangers and most Colt models have a tip-dispose base. Optional front mount squeegees dramatically boost productivity. For enhanced IAQ, a HEPA filter is available on most Colt models.



BP Ranger

Unmatched performance and durability

- Powerful 2 HP bypass-cooled vacuum motor
- 50% more waterlift and 5 to 10 times longer life than typical wet/drys
- Patented noise reduction system assures quiet operation—65 dBA
- 12.5-gal/48-l stainless steel or 14.5 gal/55-L rotocast polyethylene tip-dispose tank
- Customize with tool kit sold separately



Colt 1250 S/1450 P

Affordable high performers

- Powerful 1.23 HP bypass cooled vacuum motor
- Patented noise reduction system assures quiet operation—only 62 dBA
- 12.5-gal/48-L stainless steel or 14.5 gal/55-L rotocast polyethylene tank
- Tip-dispose tank for easy emptying
- Customize with tool kit sold separately



ADD: Front mount squeegee

Boost productivity and performance

- Recovers liquid up to four times faster than using a hose and squeegee tool
- Ideal when stripping large areas or drying flooded floors
- Toe-operated squeegee leaves a clear path
- Available on BP Ranger and Colt models as well as the Bronco 24



ADD: HEPA Filtration

Further enhance IAQ

- Removes particles as small as 0.3 microns at 99.997 percent efficiency for maximum Indoor Air Quality
- Ideal for healthcare, restaurants, and hospitality applications
- Available on Colt 1250 S and 1450 P models



Colt 800 P

Compact, affordable performer

- Powerful 1.23 HP bypass-cooled vacuum motor
- Quiet operation—just 62 dBA
- 8-gal/30-L rotocast polyethylene tank for long life
- Drain plug for easy emptying
- Front-mount squeegee optional
- Customize with tool kit sold separately



Alpha 24

Strong suction, big value

- 1.34 HP, 2-stage bypass-type motor provides strong suction
- 24-gal/90-L wet recovery capacity
- Non-corrosive, dent-proof, polyethylene tank
- Includes 9-piece wet/dry tool kit
- Available with or without front mount squeegee option



Alpha 16

Solid, economical performer

- 1.34 HP, 2-stage bypass-type motor provides strong suction
- 16-gal/60-L wet recovery capacity
- Non-corrosive, dent-proof, polypropylene tank
- Includes a standard 9-piece wet/dry tool kit



Alpha 8

Economical and versatile

- 1.34 HP, 2-stage bypass-type motor provides strong suction
- 8-gal/30-L wet recovery capacity
- Polypropylene tank for long life
- 2-caster, 2-wheel base for maneuverability
- Includes 9-piece wet/dry tool kit



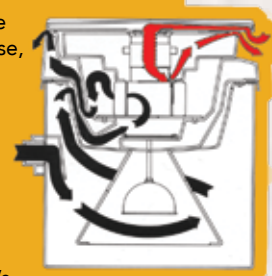
Alpha 4

Economical and versatile

- 1.34 HP, 2-stage bypass-type motor provides strong suction
- 4-gal/15-L wet recovery capacity
- Polypropylene tank for long life
- Lightweight—only 16 lbs.
- 4-caster base for maneuverability
- Includes 9-piece wet/dry tool kit

Advantage NSS

NSS has engineered a unique system to muffle vacuum noise, leveraging the benefits of roto-molding. To quiet the motor on the BP Rangers and Colts, suction air (black arrows) is squeezed through narrow openings and released into larger chambers within the powerhead—much like a car's exhaust system.



A separate stream of clean, fresh air (red arrows) cools the motor, protecting it from moisture and debris.



Carpet Vacuums

NSS carpet vacuums have earned a reputation for great performance, reliability, and long life. The legendary Model M-1 "Pig"[®]—the most productive, most durable and most versatile vacuum available—remains a classic after decades on the market. It has the power to thoroughly and safely clean areas up to 25 feet in the air. That means your staff keeps their feet on the ground and off of ladders, a true safety benefit.

The Pacer 30 is the commercial industry standard in wide-area vacuums, period. The lightweight, ergonomic Pacer 12/15 UE models have set a new quality standard in single-motor uprights, a product category dominated by mediocre, unreliable machines.

For superior productivity when spot vacuuming, choose the cordless Outlaw PB. With NiMH batteries and a patented instant trigger, the Outlaw PB will run up to 2 hours on a charge, covering up to 30,000 square feet per hour. Sound incredible? It is. Thanks to its quiet operation, the Outlaw PB is ideal for use in healthcare facilities, 24/7 operations, and for cleaning occupied areas, day or night.



Outlaw PB

Supercharge your vacuum process

- Unrivalled spot vacuuming productivity—up to 30,000 sq ft per hour
- 0.5 HP, 2-stage, 24V motor
- Quiet—only 65 dBA—for use anytime
- Ergonomic harness for operator comfort
- 3-stage bagless filtration system assures great IAQ
- 1-2 hours runtime per set of NiMH batteries



Pacer 12/15 UE

Remarkable reliability and value

- Powerful 1.7 HP motor and chevron-style brush for thorough cleaning
- WAVE-LOK[®] filter bag US Patent 8,439,997, D664317
- Simple maintenance. No tools required to replace brush or power cord
- Reliable mechanical clutch disconnects brush if jammed
- Available in 12-inch/30-cm and 15-inch/38-cm widths
- HEPA filter standard



Pacer 30

The wide-area standard

- 30-inch/76-cm work path
- Powerful dual 1-HP vacuum motors for cleaning muscle
- Quiet—only 69 dBA
- Maneuverable for easy operation
- Simple adjustment for different carpet pile heights
- HEPA filter assembly available



Outlaw BV

Uniquely comfortable

- Triangular body design maintains suction as bag fills
- 2-stage, flow-through motor
- Comfortable and lightweight just 10 lbs/4.5 kg
- Adjustable for right- or left-handed users
- 400 cycle model available for use in aircraft
- Lite Carpet and Dusting Kit 6790141 included with each Outlaw back pack vacuum



Model M-1 "Pig"

**Legendary durability—
only from NSS**

- 1.5 HP bypass-cooled motor provides incredible suction
- Extra large 12-gal/53-l debris filter bag
- "Scrap trap" collects nails and other large debris
- Cleans up to 25 ft overhead without the risks of ladders
- Ideal for continuous-duty cleaning applications including construction clean-up
- 7-year limited warranty



Hose and tools sold separately

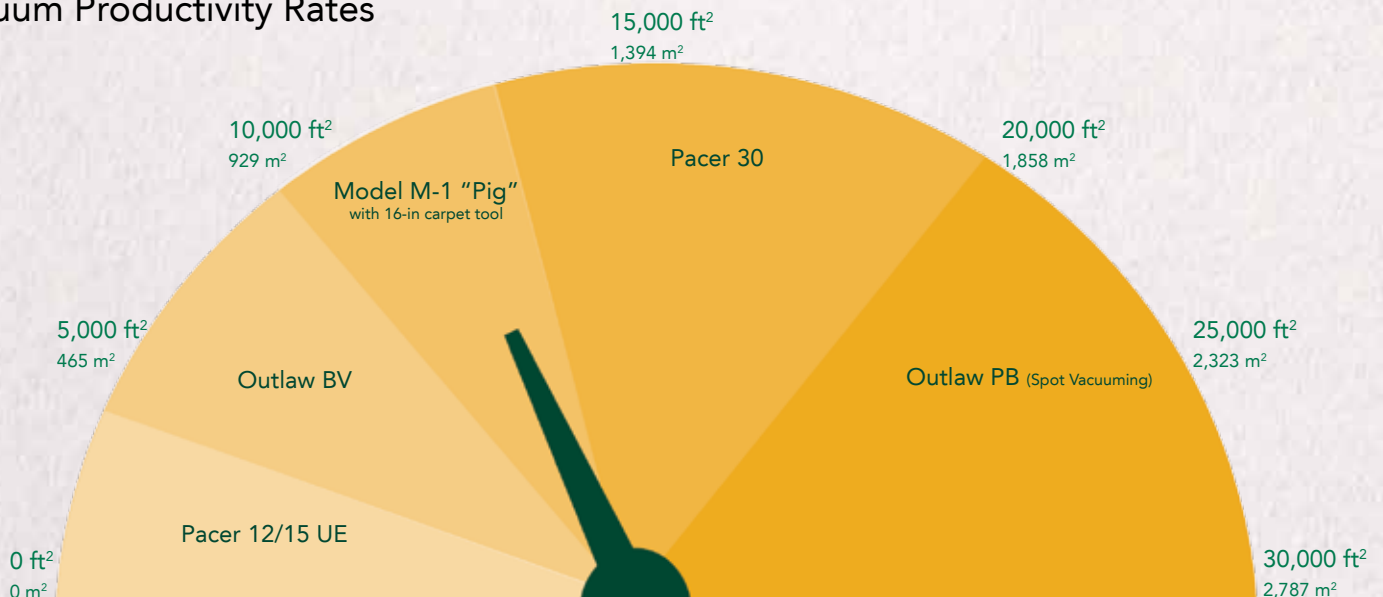


Overhead Ceiling, Wall, and Pipe Cleaning Tool Kit

- Includes all the parts needed to clean any surface above the floor using the M-1
- This unique tool kit features wall brushes with flexible connections to clean any flat surface
- Two pipe tools allow cleaning overhead pipes and rounded ductwork
- Lightweight extension wands permit easy cleaning up to 25 feet off the floor.



Vacuum Productivity Rates



*Based on one hour of cleaning time.



Pony 20 SCA

Powerful, large area automatic

- 22-inch/56-cm cleaning path
- 20-gal/76-l solution and recovery tanks
- 100 PSI solution pump for deep cleaning
- Powerful 3-stage vacuum motor with float shut-off
- Variable speed propulsion system
- Built-in spray wand



Stallion 12 SC

Excellent mid-size extractor

- 18-inch/46-cm cleaning path
- 12-gal/45.5-l solution and dual 6-gal recovery tanks
- 100 PSI solution pump cleans deep
- Powerful 3.5 HP, 2-stage vacuum motor
- Low-flow solution switch uses less water, conserving water without sacrificing cleaning power



Aero Plus

Faster drying—floor to ceiling

- Three speeds for maximum drying performance
- Four positions for drying carpets, bare floors, upholstered furniture, and ceilings
- Reduces drying times by up to 50 percent
- Durable rotomolded polyethylene body



Shown with optional transport wheels and handle

Carpet Extractors

NSS extractors keep your carpets looking their best. There is a machine to meet every carpet cleaning need, each constructed for maximum performance, durability, and long life.

The Pony 20 SCA, Stallion 12 SC, and Stallion 818 SC self-contained extractors are the choice for fast, effective cleaning. These NSS automatics complete your job in half the time of a tank extractor. Their tank-over-tank design improves sight lines and keeps machines balanced from job start to finish. All three machines can be used with optional upholstery and stair cleaning tools and two-jet wand.

The Rally 1200 allows grout and tile cleaning, and restorative carpet cleaning from the same machine. For excellent cleaning performance in a rugged, durable design, the Rally tank extractors are ideal for hot and cold water carpet cleaning.

Stallion 818 SC

Maneuverable, compact automatic

- 18-inch/46-cm cleaning path
- 8-gal/30-l solution and recovery tanks
- 100 PSI solution pump cleans deep
- Powerful 3-stage vacuum motor with float shut-off
- Floating brush automatically adjusts to different carpet pile heights



The **HydroGlide Carpet Tool** from NSS is the next-generation solution for the professional cleaner. Its innovative design helps to increase extraction of dirt and moisture from carpeted surfaces making each job faster and more efficient.

- Lightweight, only 6.4 lbs.
- Durable, 1-1/2" stainless steel vacuum tube
- In-line filter to eliminate clogging of spray tips
- Built-in check valve eliminates excess dripping
- Custom fit, durable Delrin® glide reduces drag & friction for smooth operation on any carpeted surface
- Unique design incorporates spray tips into the wand head to provide streak-free, focused high temperature spray



- Rugged, high density polyethylene wand head with unique, tear-drop design for optimum water and soil recovery



Rally 500H

Powerful and maneuverable

- Deluxe 12-gal model of the Rally line
- Adjustable 220-500 PSI, 2000W Heater
- 12-gal/45.5-l solution tank
- 12-gal/45.5-l recovery tank
- Dual 3-stage 1.75 HP vacuum motors
- Built-in cord and wand storage feature



Rally 220/220H

Powerful and maneuverable

- Rally 220H has 220 PSI, 2000W Heater
- Rally 220 is the 220 PSI cold water model
- 12-gal/45.5-l solution tank
- 12-gal/45.5-l recovery tank
- Dual 2-stage 1.25 HP vacuum motors
- Built-in cord and wand storage feature



Rally 55/55H

Spots away

- 2.9-gal/11-l solution tank
- 2.6-gal/10-l detachable recovery tank
- 55 PSI pump for stubborn spills
- Ideal for upholstery and car detailing
- 55H model equipped with a 1000W Heater
- Built in transport handle

Shown with transport handle extended

Dual Surface Cleaner

Cleaning tile, grout and other hard surfaces just got a whole lot easier. The **Hard Surface Tool** from NSS is engineered for easy operation and decreased operator fatigue with a lightweight, ergonomic design. Dual spray jets on a rotating bar deliver up to 1200 psi of unmatched cleaning power at 2 gallons per minute for deep cleaning of porous and uneven surfaces. The 2" vacuum tube lets you easily connect to a Rally 1200, and the brushed stainless steel frame provides excellent durability for the demanding cleaning environments.

- Brushed stainless steel
- Ergonomic handle grips with trigger handle
- Quick-Release tabs on the brush ring allow for easy installation and replacement
- 2" vacuum connection for truckmount applications
- Only 12 lbs.
- Spinning head with dual spray jets, 1400 RPM @ 1200 PSI
- 1200 psi, 2.2 gpm



Rally 1200

Dual-Surface Extraction

- The Rally 1200 allows tile and grout cleaning, and restorative carpet cleaning from the same machine
- Two 1200 PSI streams quickly clean away the toughest soils from hard floors
- At 400 PSI the Rally 1200 becomes a powerful cold water restorative carpet extractor
- A powerful 2-stage tapered fan vacuum motor provides 140" of waterlift for thorough water recovery

AquaForce

NSS's AquaForce pressure washers include hand-carry models, cart electrics, and gasoline-powered units. Each is an exceptional value providing power, ease of use, and durability.

All AquaForce pressure washers include a trigger gun, insulated wand, and hose.

1500A / 1500 AHT



- Hand carry model
- 2 HP electric motor
- Adjustable pressure, up to 1450 psi
- AHT model accepts water up to 180°F
- Delivers 2 gal per minute

2000GCX



- 5 HP Honda gas engine
- Transport cart
- 2000 PSI water pressure
- Delivers 2.2 gal per minute

1000MXDE / 1500AMXDE



- High performance Cat pump
- Dual chemical injection
- Tip-back transport cart
- Delivers 2.2 gal per minute
- 1000 or 1450 PSI

25006HX



- Industrial applications
- Metal tube frame
- 6.5 HP Honda gas motor
- 2500 PSI water pressure
- Delivers 3.2 gal per minute

Advantage NSS

High pressure water allows a minimum of chemicals to be used, meaning less harmful chemicals left behind.

Pumps able to accept extremely hot water (140-180°F) allows cleaning without harsh chemicals.

Transport carts mean easy, ergonomic transport between job sites.





Tools & Accessories

Like our machines, NSS tools and accessories are abuse-resistant and built to last. Attention to detail, functionality, and user-friendly operation are hallmarks of our wide array of tools. Our offering is extensive—you will find unique tools for specialty applications that can't be found anywhere else.

Just pick up an NSS tool—feel its heft in your hands—to see the quality difference. In fact, many of our tools are formed with cast-aluminum bodies as well as brass fittings and connectors.

A key feature of NSS tools is their curved uniflow design, which maximizes airflow and pick-up. Our attention to ergonomic principles means that NSS tools are designed for safe and efficient use.

At NSS, we have over 25 tool kits designed to meet different customer needs. Wet or dry, for ceilings, walls, or floors, we have a the right kit to help you get your job done more easily, more quickly, and more safely.

We have confidence in our tools. That's why many are backed by a 10-year warranty, which speaks volumes about their life expectancy and quality of construction.

Ecostrip pads allow damp stripping floors without chemicals. Just attach to your favorite NSS scrubber and remove the top coat with just water.



Bare Floor Tool Kit



Overhead Ceiling, Wall, and Pipe Tool Kit



Gulper Tool



Squeegee/Bristle Flip Tool



Carpet Tools



Pipe, Wall, and Shelf Brushes



Super Flex Vacuum Hose



Extended Length Wand

**Do No Harm®
Ecostrip Pads**



NSS® Enterprises, Inc. Limited Warranty

Effective for machines purchased after August 1, 2015 (Revision S)

Warranty Registration

Register your new product by visiting www.nss.com and clicking on the “Product Registration” link.

Warranty Policy

NSS Enterprises, Inc. (NSS) warrants its new machines against defects in material and workmanship under normal use, service and maintenance (defined in the NSS Operation and Maintenance Manuals) **for the warranty period as detailed below.** This warranty is limited to machines and products that are purchased from an NSS Authorized Distributor or directly from NSS and is limited to the original end-user. Under this warranty, NSS will repair or replace, at its option, any covered part which is found defective in material or workmanship during the applicable warranty term or until the hour meter reaches the specified amount, whichever is first. This repair or replacement shall only be performed by an NSS Authorized Distributor or Service Center. All shipping charges for replacement parts or repaired machines will be the responsibility of the original end-user. When requested, machines and/or parts must be returned to NSS for inspection to obtain this warranty. NSS reserves the right for final determination of warranty coverage.

Parts repaired or replaced under this warranty are warranted for the remainder of the original warranty period. When covered, a maximum of 4 hours travel time will be allowed. When out of the continental USA, Labor, Freight and Travel may have different considerations.

NSS will not be liable for any other or additional damages, including but not limited to indirect or special consequential damages arising out of or in connection with the furnishing, performance, use or inability to use the machine. The buyer agrees and understands that the remedies provided under this limited warranty are the sole and exclusive remedies available to the buyer. NSS reserves the right to change its warranty policy without notice.

Start date of warranty for MACHINES

The start date of this warranty is the purchase date by the original user, or six months from the date the machine was shipped from the factory, whichever is earlier.

Start date of warranty for BATTERIES, including those installed in machines at time of purchase

The warranty period for the batteries starts on the date of sale or 90 days after the machine was shipped from the factory, whichever is earlier. Batteries must be recharged at least once every 90 days.

Exclusions

This warranty shall not apply to: (1) Damage incurred during shipment. (2) Any product that has been subject to misuse, abuse, negligence, overloading or accident. (3) Improperly used products or use of the product for other than its intended purpose. (4) Failures due to lack of mandatory maintenance as described in NSS Operation and Maintenance Manuals, Videotapes and/or Wall Charts. (E.g., lack of scheduled lubrication or inadequate flushing of chemical solutions.) (5) Any machine modified from its original design (unless authorized by NSS) or repair services performed by non-authorized service centers. (6) Damage or failure resulting from the use of corrosive or incompatible chemicals. (7) Replacement of ordinary wear items including but not limited to: bumpers, belts, carbon motor brushes, electrical components exposed to moisture, filter bags, hoses, casters, wheels, gaskets, seals, cords, circuit breakers, switches, check valves, solenoids, pumps, squeegee blades, M-1 fans and fan hoods, and shoes on NSS manufactured cast aluminum tools. (8) Machines using after-market parts not supplied by NSS, including the ordinary wear items listed above.

Product	Parts	Labor	Travel	Hour Meter	Exceptions
BP Ranger, Model M-1 “Pig”, Thoroughbred, Charger 1500, Charger 2500	7 years	1 year	6 months	-	Thoroughbred with weights (1 year parts)
Champ, Wrangler, Charger battery burnishers, eForce	3 years	1 year	6 months	2500 hours	Hour meter limit does not apply to W2016, W1710/2010 and W1503.
Maverick, Mustang, Galaxy, Colt, Outlaw, Pacer 30, Pony, Stallion, Aero	3 years	1 year	-	-	
Pacer 12/15 UE	2 years	1 year	-	-	Pacer 12/15 includes belt
Manta, Sidewinder, Alpha, Bronco, Predator, Surge, AquaForce, Whisker, Rally	1 year	1 year	-	-	
Polyethylene Roto-Molded Tanks & Components	10 Years	1 Year	6 Months	-	
NSS Manufactured Cast Aluminum Tools	10 Years	1 Year	-	-	Does not include shoes
Tools and Accessories	1 Year	-	-	-	
SPE/Delta Q On-board Battery Chargers	2 Years	1 Year	6 Months	-	
Dual Pro On-board Battery Chargers	3 Years	1 Year	6 Months	-	
Batteries	1 Year, prorated	1 Year	1 Year	-	Prorated 1 year from warranty start date
Service Parts for out-of-warranty machines	90 Days	-	-	-	

Here's How To Schedule a Demonstration, Place an Order, or Get More Information

To schedule a demonstration at your facility, or to place an order for NSS equipment, contact your local NSS Distributor. To find the distributor nearest you, please call NSS at 800-677-1663 or visit our web site at www.nss.com.



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Appearance and specifications of machines are subject to change without notice.

Availability of specific product models varies by country.

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NSS Enterprises, Inc.
3115 Frenchmens Road
Toledo, OH 43607-2958
USA

(800) 677-1663
(419) 531-3761 (fax)

mailus@nss.com
www.nss.com



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