



# THE FARROW system®

Patented Method for Removing Surface Coatings



A PATENTED BREAKTHROUGH IN SURFACE CLEANING TECHNOLOGY



[www.farrowssystem.com](http://www.farrowssystem.com)

## DO THE IMPOSSIBLE!

Prepare to be amazed. The Farrow System® is a revolutionary, environmentally safe, and cost effective surface cleaning method that quickly removes protective coatings, oxidation, and graffiti from most surfaces without damaging them. Now, surfaces can be easily cleaned that were once impossible to clean by other methods! Developed to efficiently remove coatings from fiberglass boat hulls without damaging delicate gelcoats, The Farrow System® is equally effective for cleaning projects ranging from removing durable industrial coatings to cleaning fragile historic surfaces during restorations.

Many difficult cleaning projects are delayed or deemed impossible because of their difficulty, high costs, and environmental complications. The Farrow System® changes this situation forever! The Farrow System® is chemical-free, fast-acting, and controlled. It will remove the toughest coatings, yet is easily adjusted to clean the most fragile surfaces without damage. From removing corrosion on a battleship to the printed label on an ordinary aluminum soda can, The Farrow System® does it all!

## PROTECT THE ENVIRONMENT.

Old methods commonly use dangerous chemicals or aggressive abrasives blasting at high pressures to

clean a surface. These methods require solving huge containment and disposal problems, and often seriously damage the surface being “cleaned”.

The Farrow System® uses low pressure air, heat, water, and Farrow Green Clean®, a natural volcanic crystal, to work its magic. Our chemical free, highly controlled cleaning stream significantly reduces or eliminates airborne particle dispersal. The Farrow System® makes both cleaning and cleanup safe, fast, and cost efficient.

## CLEAN ECONOMICALLY.

After a short setup time, operating The Farrow System® is as easy as washing your car. The Farrow System® has more than double the efficiency of other cleaning methods, reducing labor costs, media use, cleanup time, and disposal costs. Operators do not need protection from harsh chemicals, high blast pressures, or clouds of dust. Also, expensive containment is minimized or eliminated.

The Farrow System® dealer network sells and rents cleaning equipment, supplies our Farrow Green Clean® media, and will also contract with you to complete specific cleaning projects. With The Farrow System®, you too can do the impossible!

## THE IMPOSSIBLE BECOMES POSSIBLE

In 1988, Nigel Farrow, inventor of The Farrow System®, set out on a journey of discovery.

Farrow, the son of an English dairy farmer, had learned to sail as a boy. As an adult, he had the opportunity to crew aboard a sailing ship owned by his employer, Lloyd's Underwriting. While involved in the winter maintenance of the vessel, Farrow decided there must be a better way to clean anti-fouling coatings from boat hulls. He began a trial and error process to find the answer.

Over the next ten years, Farrow's experiments hit many dead ends. Scraping took too much time and labor, and chemical stripping was slow, dangerous, and created disposal problems. Media blasting looked promising, but produced clouds of contaminated dust and damaged most surfaces. Then, in the late 1990's, Farrow tried adding heat to his process.

Suddenly, everything started to work. Farrow had already tried 38 different blast medias, but discovered that a unique volcanic crystal media combined with heat cleaned like magic. Working with a scientist at Anglia Ruskin University in Cambridge, England, Farrow proved that adding heat added energy and created free flow in his system. They also proved that heat enhanced his Farrow Green Clean® media's remarkable low pressure cleaning characteristics. Farrow had discovered the keys to fast, safe, and economical cleaning. He patented his process worldwide in 1998, and The Farrow System® was born!

*Nigel Farrow*



## THE FARROW SYSTEM®



THE FARROW SYSTEM® uses heat and low pressures to align FARROW GREEN CLEAN® crystals in a precisely engineered turbo nozzle. These crystals shoot to the surface at low velocity much like a storm of darts. Upon contact, they burst into thousands of sharp “missiles” which actually force their way BETWEEN the surface and the coating. Each particle does more than four times the work of other medias; cleaning faster, better, and more efficiently than other methods.

## CONVENTIONAL BLASTING



ABRASIVE DRY BLAST systems work by hammering hard particles against the coating and substrate until the coating (and the abrasive as well) is pulverized and dispersed into the air. This high pressure destruction actually damages a portion of the substrate in order to remove the coating! This method also wastes energy, takes more time, distresses the substrate, creates worker hazards, and raises clouds of dust and contaminants that may require expensive containment.

## CLEANING THE NATURAL WAY



Water can be supplied from a city line on site or from our mobile models' on board tanks. The water suspends the medium in the cleaning stream and reduces the dispersal of airborne particles during cleaning. Water consumption is very low - typically less than 2 quarts per minute.



Heat is extracted from the compressed air and introduced into the system. This heat adds energy, creates free flow, and helps align the Farrow Green Clean® crystals to increase their effectiveness during cleaning.



Farrow Green Clean® is a natural volcanic crystal unique to The Farrow System®. It will clean surfaces impossible to clean with conventional systems, and delivers outstanding efficiency, control, and environmental safety.



Low pressure air safely delivers the cleaning stream to the surface. This air can be supplied on-site or by the on board compressor in our fully self-contained models. Air pressures as low as 28psi effectively remove many coatings.

Farrow Green Clean® must be used as part of The Farrow System® to achieve these amazing results. See limited warranty for details.

## SAFE FOR THE ENVIRONMENT... AND SAFE FOR YOU!

The Farrow System® combines the fundamental elements of nature - water, heat, minerals, and air - and forges them into a powerful cleaning method! This patented system adds heat to a low pressure mixture of water and Farrow Green Clean®, a natural, chemical-free volcanic crystal. This safe, low pressure vapor-like stream is directed against the surface to be cleaned.

Upon contact with the surface, the unique characteristics of Farrow Green Clean® come into play. Each particle bursts into multiple cleaning “missiles” that lift the coating from the surface. Each particle packs many punches, reducing cleaning time and media consumption significantly. The process is dust-free and leaves only a moist residue which is easily swept up and removed.

The Farrow System® can clean surfaces impossible to clean with other systems. It can take off just one layer at a time and it can also create controlled profiles ideal for recoating. Farrow Green Clean® is available in several grit sizes developed for a range of cleaning applications.



See The Farrow System® in action!  
[www.farrowssystem.com](http://www.farrowssystem.com)

# INDUSTRIAL

# DURABLE COATINGS REMOVAL,



The Farrow System® excels in lowering costs for both types of industrial maintenance: preventive maintenance and repair. Complex industrial infrastructure such as piping, valves, and intricate mechanical/hydraulic machinery can be cleaned quickly and inspected frequently without disassembly or masking. The Farrow System® will remove tough industrial coatings and corrosion without damaging hoses, couplings, and delicate surfaces. This one-step cleaning and surface preparation saves hours of labor in otherwise tedious and difficult maintenance chores.

The Farrow System® is effective for:

- Removing industrial coatings
- Removing rust and scale
- Preparing surfaces to recoat
- Offshore corrosion control
- Cleaning storage tanks
- Contaminants abatement
- Removing roadway markings
- Building and site maintenance



## Low cost preventive maintenance and repair.

Removing durable coatings for inspections is quick and easy with The Farrow System®. Typically, no time-consuming disassembly is needed before cleaning because the low pressures and controlled process will not damage delicate components. Your maintenance technicians will appreciate how much easier their inspections and repairs are. The Farrow System® has ultra-low dispersal characteristics, so it can clean in enclosed spaces without affecting nearby equipment or workers. Almost all airborne particulates are eliminated, along with the extensive cleanup required by other cleaning methods. Natural Farrow Green Clean® media presents no environmental hazards to guard against, and the low cleaning pressures make The Farrow System® doubly safe!



**Make a good impression on your customers.** The Farrow System® quickly removes ugly graffiti from all types of industrial building surfaces. Self contained mobile units are available on trailers or skid mounted to fit into a pickup truck. Cleanup is typically minimal because so little environmentally safe Farrow Green Clean® media is used by our quick and efficient process.



# CORROSION CONTROL, AND FACILITIES MAINTENANCE



## The ultimate in powerful portability.

If your facility has areas that are difficult to access and clean, each Farrow 250, 450, and 650 MAX Series machine packs a full-sized punch in a compact package. Utilizing on-site water and compressed air, these machines deliver the same heavy duty, environmentally safe cleaning as our mobile units. The MAX Series units are fully caged and can be forked, lowered, or hoisted into almost any job site including storage tanks. The solid steel crash frame, hot dip galvanized pot, and stainless steel control panel and piping withstand the most extreme corrosive conditions and deliver dependable operation day after day.



**The Farrow System<sup>®</sup> reaches any jobsite.** Fight corrosion anywhere with The Farrow 185 - a trailer mounted, fully self-contained machine with an air compressor and a 110 gallon water supply. Powered by the ultra-reliable Airman 185 CFM diesel compressor proven in industrial applications worldwide, this model is made for the power user. The Farrow 185 efficiently cleans large machinery or facilities, can easily be towed behind a light truck, and is compact enough to be spotted close to the job. The Farrow 400, a skid mounted machine powered by the Airman 400 CFM compressor, can reach up to 250 feet with extension hoses. With even more capacity, it delivers faster cleaning speeds and longer run times.



# MARINE

## FAST, GENTLE CLEANING

Improve your service...and your profits. The Farrow System® was designed with hull cleaning specifically in mind, and it will complete the job in an unbelievably short time! It can clean hulls in a single day that would take as much as a week using conventional methods. And it efficiently cleans *any* marina surface - fiberglass, wood, metal, or concrete, and leaves the surface clean and ready to recoat.

Industrial shipping cleaning tasks are faster and less costly as well. Simple operating adjustments enable our machines to aggressively strip the heaviest coatings and even remove rust from severely corroded areas. The cleaned surface is profiled and ready for recoating immediately. When you use The Farrow System®, you can strip, prime, and paint, all in the same day!

The Farrow System® is used by:

- Private & municipal marinas
- Individual boat owners
- Fleet boat owners
- Commercial shipping
- The Armed Forces
- Shipwrights and repair yards



**Cost effective hull cleaning.** On fiberglass boats, The Farrow System® removes anti-fouling and other bottom coatings quickly and completely, leaving the gelcoat intact, water tight, and ready for paint. The Farrow System® can eliminate tenting entirely due to the low dispersal characteristics of its cleaning stream. Old paint and anti-fouling simply drop to the ground under the boat, instead of generating clouds of contaminants as sand and soda blasting will. And because so little Farrow Green Clean® media is used by comparison, costs are low, and cleanup is simple and easy!



**No ship is too large.** The Farrow System® has more than enough power for tough professional maritime maintenance jobs. Our equipment is configured to be hoisted aboard or operated from the dock. Available in capacities from 60 CFM to 400CFM, sizes are offered for normal on-going on board maintenance to the largest refitting projects. Machines come as self contained trailer mounted units, skid mounted units, and crash frame units that are ultra-portable. By using extension hoses, work as far as 250 feet from the machine is easy to reach, and confined spaces present no problems for The Farrow System®.

# MUNICIPAL

# SAFE GRAFFITI REMOVAL



**Unpaint the town.** Municipalities dealing with the challenge of graffiti have a friend in Farrow. The Farrow System® easily removes spray paint and brushed on paint from building and road surfaces, including stone, brick, wood, ceramic tile, plastics, steel, aluminum, concrete, asphalt, and decorative pavers. The underlying surface is not damaged, and even irreplaceable historic surfaces are revealed in pristine condition!

The Farrow System® is especially suited for urban areas, because it is environmentally safe and uses no hazardous chemicals. Mobile units are self contained, and can use extension hoses to reach locations up to 250 feet away. Farrow Green Clean® is a natural product that makes cleanup and disposal fast and easy. And because the process works with water at very low pressures, there are no dust clouds or widespread cleanups to contend with.

Not only does The Farrow System® work miracles with delicate surfaces, but it tackles tough jobs as well. It removes durable coatings on structural applications such as bridges and retaining walls, making inspections and maintenance more thorough and effective. Use The Farrow System® to remove lines from roadways and parking lots, remove chewing gum from sidewalks, and thoroughly clean intricate paver surfaces.



**Go back in time.** Monuments are fascinating to taggers, but they are no match for The Farrow System®. Natural Farrow Green Clean® is gentle on stone and all cast metals, and safely cleans any municipal restoration project. Graffiti, decades of accumulated oxidation, and acid rain discoloration vanish quickly, leaving statues, stonework, and street furniture looking like new.

With The Farrow System®, you can:

- Remove graffiti from all surfaces
- Remove coatings for structural inspection
- Remove gum from sidewalks
- Remove road lines
- Clean street furniture
- Clean interlocking pavers
- Clean playground equipment
- Restore historic buildings
- Restore monuments and plaques



**Compact and powerful.** Farrow 60 skid mounted systems access any urban environment. Self contained with gas engine compressors and on board water tanks, the Farrow 60 fits easily in a light truck. It is also available mounted on a highway rated, fully galvanized trailer.



## Support

The Farrow System® is supported by cleaning specialists, engineers, service technicians, and overnight shipping of OEM replacement parts. Farrow Green Clean® media is only a phone call away at 1-888-FARROW-8. We keep your machines operating and your jobs on schedule. The Farrow System® machines are designed and built in the USA to the highest quality standards with one goal in mind: to insure top customer productivity and satisfaction!

## Warranty

The Farrow System® is covered by a one (1) year / 5,000 hours (whichever first occurs) bumper-to-bumper parts and labor warranty, excluding expendables such as oil, filters, belts, light bulbs, hoses, and tires. In addition, the internal parts of the engine and air end are covered for two (2) years / 5,000 hours (whichever first occurs). All warranty is predicated on documented adherence to all manufacturers' recommended service requirements being done according to schedule and on the exclusive use of Farrow Green Clean® media during cleaning operations.

Warranty will not cover damage done to The Farrow System® by misuse, by lack of maintenance, by the unit being used for other than its intended purpose, or as a result of an accident.

Warranty will be null and void if any modifications have been done without prior written approval by the manufacturer. Warranty will be null and void if any media other than Farrow Green Clean® has been used at any time in The Farrow System®.

## Training

The Farrow System® dealer network is a highly trained team with experience in the many areas in which The Farrow System® operates. Ongoing training at The Farrow System® locations around the country ensure that owners will attain maximum benefits from the extreme versatility of this amazing process. First time users and renters of The Farrow System® benefit from hands-on training at their jobsite. The Farrow System® dealer network will provide a positive experience and expert knowledge regarding your particular application.

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