



**43**  
*years*

***OF EXCELLENCE & INNOVATION***

ABOUT PIONEER ECLIPSE

***MAKING FLOORS  
EXTRAORDINARY***



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**43**  
years

## OF EXCELLENCE & INNOVATION

Pioneer Eclipse was founded in 1978 with the introduction of a new propane burnisher technology and compatible floor finishes to the Jan-San industry. Our company continues to be recognized as a leader and innovator in floor care systems, with an emphasis on propane powered equipment, electric and battery powered equipment, innovative floor coatings and cleaning chemical products.

Pioneer Eclipse is located in Sparta, NC where our 110,000 square foot facility houses research and development, machine and chemical manufacturing, and is our primary distribution center. With a sales presence in over 40 countries and a manufacturing capacity of 30 million gallons per year of chemicals, we are well positioned to meet any customer need. Pioneer Eclipse is a wholly owned subsidiary of Amano Corporation, a manufacturing conglomerate listed on the Tokyo Stock Exchange.

- Industry leader in propane powered floor machines
- Chemical manufacturing capacity exceeds 30 million gallons per year
- Global presence in over 40 countries
- Innovator in concrete grinding and polishing technologies
- Full line of "GREEN" chemical products

See page 6 for the story on our Founder, William H. "Bill" Wilson

## CUSTOMER SERVICE

Here at Pioneer Eclipse, we offer world class customer service for all of our customers.

Contact us by calling 1-800-367-3550 (U.S.) or +1 336-372-8080 (international).

You can also reach us at [www.pioneereclipse.com/contact](http://www.pioneereclipse.com/contact)



## ENVIRONMENTALLY PREFERRED CLEANING PRODUCTS

A healthy environment is the responsibility of everyone involved with facility maintenance and management. We embrace this responsibility at Pioneer Eclipse by offering environmentally preferred cleaning products that are highly effective while limiting the undesirable effects on people and the environment.

EnviroStar is a full line of chemical floor care and cleaning products without many of the ingredients that typically cause allergic reactions and are proven to negatively impact the environment.

- |   |                                    |
|---|------------------------------------|
| <b>NO</b> Zinc-Based Cross Linking Agents           | <b>NO</b> 2-Butoxyethanol          |
| <b>NO</b> Ethylene Glycol-Based Coalescent Solvents | <b>NO</b> Phosphates In Cleaners   |
| <b>NO</b> Bioaccumulative Fluorocarbon Surfactants  | <b>NO</b> Ammonia In Cleaners      |
| <b>NO</b> VOC's Exceeding Regulatory Limits         | <b>NO</b> Flammable Solvents       |
| <b>NO</b> Environmentally Toxic Preservatives       | <b>NO</b> Non-Recyclable Packaging |
| <b>NO</b> Alkyl Phenol Ethoxylate Surfactants       |                                    |

Pioneer Eclipse also produces industry leading environmentally preferred propane powered floor machines. Our proprietary EPS (*Eclipse Power System*) burnishers, grinders and polishers produce a fraction of the harmful byproducts that are emitted by other competitive machines.

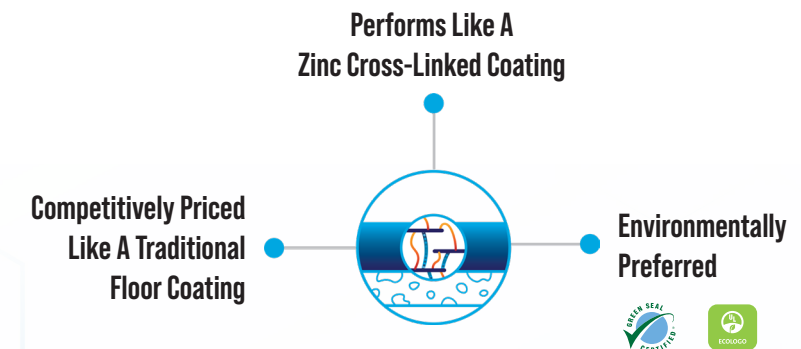
When combining EnviroStar cleaning products with EPS propane powered floor machines, it is easy to see why "green" facility managers from around the world choose the environmentally preferred products of Pioneer Eclipse.



## ADVANCING FLOOR COATING TECHNOLOGY

Pioneer Eclipse uses Dualbond™ Technology to overcome the challenges of other "green" floor coatings to produce an exceptionally durable shine that is easy to apply and maintain.

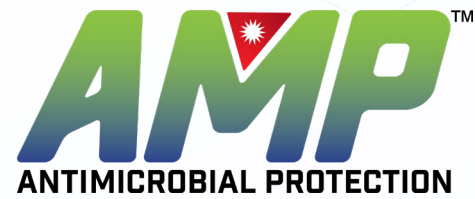
Dualbond™ Technology uses calcium cross-linking with a strong covalent bond to produce a floor coating that performs like a traditional zinc cross-linked coating.



Dualbond™ Technology is used exclusively in our EnviroStar Valor Ultra High-Speed Floor Coating.

Strong Durable Shine | Scuff & Dirt Resistant | Stain Resistant | Easy Repairs | Easy Removability





**AMP™ AntiMicrobial Protection** is a chemical technology in select Pioneer Eclipse floor coatings that inhibits the growth of bacteria.

Bacteria on floors is a common source of odor and stains. **AMP** is an advanced technology within the floor coating that inhibits the growth of stain and odor causing bacteria on the floor surface.



Inhibits The Growth Of Bacteria



Continuous AntiMicrobial Protection 24/7



Reduces Odors & Stains



EPA Registered Antimicrobial Ingredient

Pioneer Eclipse floor coatings with **AMP** technology provide continuous antimicrobial protection from the moment the floor coating is dry, 24/7 for the usable life of the coating. No chemical mixing or non-standard floor preparation is required. This unique application of technology inhibits the growth of odor and stain causing bacteria on a cellular level, preventing bacterial microorganisms from feeding, growing, and reproducing.

**AMP AntiMicrobial Protection** is available in OmniGuard, Atlas, and Orion 25 floor coatings.

The application of floor coatings with AMP technology is not a substitute for normal cleaning practices.



**AquapHyll** is the professional's choice in wall mounted chemical dispensing systems, durable enough for any custodial closet:

- Consistent and accurate chemical metering
- Pre-plumbed dispenser accompanied by pre-tipped chemical bottles for quick setup and use
- Designed with safety in mind - closed loop system
- E-Gap and Air-Gap options to satisfy regulatory standards
- Easy wall installation
- Locking cabinets to keep chemicals secure

A wide variety of concentrated chemicals are available to clean and maintain floors, glass and hard surfaces in any facility. **Pioneer Eclipse offers a variety of products with DTC packaging options.**

- Multi-Surface Cleaners
- Floor Maintainers
- Disinfectants



**AquapHyll Duo Cleaning and Disinfection System**  
Accomplish 95% of cleaning and disinfecting tasks in 2 steps.  
Product Number 662640



**AquapHyll Quad Dispensing System**  
Accurately mix and dispense chemicals with a push of a button.  
Product Number MASP9240



**AquapHyll Portable Plus**  
A portable solution for easy-to-use handheld dispensing.  
Product Number MASLID-1



## WILLIAM H. "BILL" WILSON INVENTED "SHINEOLOGY"

when he was 27 years old. And not long after that he built this company around it.

He founded Pioneer Eclipse in 1978 with the introduction of a new high-speed propane powered burnisher, along with a new acrylic polymer floor coating that complimented the gloss potential of high-speed buffing. Using a new, more powerful propane powered engine, he engineered a machine to spin the buffing pad at 2,000 RPM. Bill then formulated Total Eclipse, a durable floor finish that when buffed at high speed produced the highest gloss level of vinyl floors at the time. He dubbed this new combination of machine, chemical, and process as "shineology", and it remains the ultimate goal in floor care today.



Bill Wilson was noted throughout the floor care industry around the world as a leading innovator. He was gifted with an unparalleled drive for excellence at any task he took on, whether it was cleaning floors at night as a teenager or engineering a burnisher to make those floors look perfect.



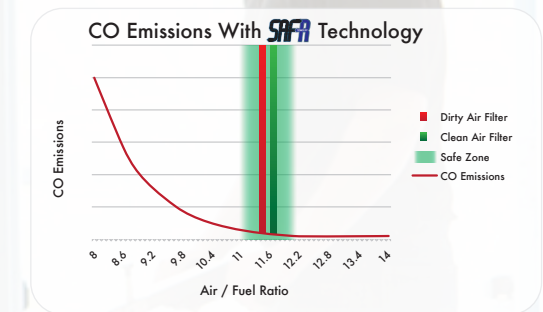
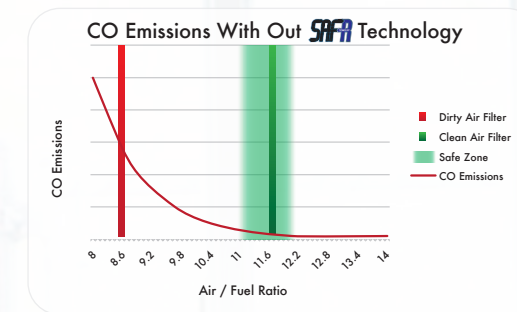
Pioneer Eclipse continues that drive for Excellence & Innovation today as we serve the floor care and janitorial industry world-wide. We are the world leaders in propane powered floor care machines, and we intend to continue our founder's legacy of "shineology" far into the future.



## BUILDING THE SAFEST PROPANE POWERED FLOOR MACHINES FOR OVER 40 YEARS!

Pioneer Eclipse has been producing the industry's safest propane powered floor care machines for over 40 years. We were the first to introduce Safe-Fill cylinders, catalyzed mufflers, emissions monitoring systems, and proprietary carburation.

To go even further and provide the highest level of protection we developed **SAFR™ Technology**. The SAFR (*Steady Air Fuel Ratio*) Technology system monitors the pressure between the air filter and the carburetor. As the air filter becomes dirty, the pressure decreases. With **SAFR™ Technology**, this change in pressure results in a reduction in fuel delivered to the engine. The net result is a Steady Air Fuel Ratio no matter the air filter condition.



Regardless of your application or the model of machine you use, you can rest assured your Pioneer Eclipse propane powered machine is well equipped to keep your operators safe.

### Pioneer Eclipse Propane Safety Features:

- ✓ SAFR Technology
- ✓ EcoSense Emissions Monitoring
- ✓ SafeStop Smart Fuel Monitor
- ✓ Proprietary Carburation & Valve System Reduces CO Output
- ✓ 3-way Catalytic Muffler Reduces CO, NOx, and HC
- ✓ Optimized Fuel Metering
- ✓ Safe-Fill Propane Fuel Cylinders
- ✓ Operator Presence Automatic Shutoff System





## ENGINE CONVERSION FOR PROPANE POWERED MACHINES

Since developing and manufacturing the first commercially available propane-powered floor machine in 1978, Pioneer Eclipse remains the global leader in propane-power technology. Utilizing in-house Engineering and Manufacturing capability we convert gasoline powered engines to propane power for manufacturing customers.

### INDUSTRY LEADING EMISSIONS



Pioneer Eclipse proprietary SAFR fuel system technology is a closed-loop system to maintain optimal air-to-fuel ratio even under harsh conditions. EPS propane engines also include an emissions monitoring system and a proprietary 3-way catalytic muffler system that exceeds EPA requirements.

### 34% LESS FUEL CONSUMPTION



All EPS converted propane engines include specific carburation, fuel regulator, and modified valve systems engineered to provide optimal power while consuming 34% less fuel than comparable machines.

### LONGER ENGINE LIFE



The modified valve system of an EPS propane engine improves fuel combustion and internal lubrication – two essential factors in efficient power delivery and longer engine life. Additional features of EPS engine design contributing to longer engine life include optimized ignition, carburation, and lubrication systems.

### LOWER MAINTENANCE COSTS



Operating and maintaining an EPS propane engine with Pioneer Eclipse's Sentinel synthetic motor oil reduces the oil change cycle as much as 400%. Built in EPS engine operation monitoring systems help ensure long work cycles and lower maintenance costs.



## TRAINING & SUPPORT

Pioneer Eclipse is well established as the industry leader in propane-power technology. To share this expertise and enable customers to maximize productivity of their propane powered machines, we offer a variety of technician training programs.

### Pioneer Eclipse Propane Certification Program

The Pioneer Eclipse Propane Certification Program consists of a series of online courses, each course followed by an assessment. Students must score at least 80% on each assessment to demonstrate a required level of knowledge in order to pass the class.

### Pioneer Eclipse Factory Certified Technician School

The Pioneer Eclipse Factory Certified Technician School is a hands-on comprehensive 3 day course focused on all aspects of propane equipment maintenance and repair. The curriculum is designed to provide a working knowledge of all Pioneer Eclipse propane-powered equipment.

The Technician School includes training on technical theory, propane specific tune ups, propane safety, troubleshooting, special tools, and more.



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