

LASERWASH[®]

Touch-Free In-Bay Automatic Vehicle Wash System

360[™]
PLUS



PDQ[®]

VEHICLE WASH SYSTEMS

PART OF OPW A DOVER COMPANY



PERFORMANCE, DEPENDABILITY AND QUALITY

With more than 10,000 LaserWashes shipped worldwide, PDQ Manufacturing, Inc., takes great pride in being the leader in the in-bay automatic vehicle wash industry. We are dedicated to providing wash operators with the most innovative equipment that exemplifies our tradition of **Performance, Dependability** and **Quality**. The new **LaserWash® 360 Plus** raises the standard again with new revenue-enhancement features and total cost-of-ownership improvements that offers wash operators the opportunity to realize the industry's highest return on investment.

THE PDQ Advantage:

- Open Bay Configuration
- Remote Monitoring and Configuration
- Exceptional Cleaning
- Low Maintenance Costs
- Energy-Efficient Design
- Low Water and Chemical Consumption
- Local Distributor Support
- 24/7 Technical Service Support
- Customer Friendly Virtual Treadle

PLUS

- Aircraft grade anodized aluminum bridge and main rails - *Now Standard*
- Non-corrosive materials used - stainless and aluminum
- New stainless steel pump station design focused on improved functionality and low maintenance costs
- Ultimate cover package - *Now Standard*
- Welded manifolds replacing assemblies of fittings-reduces leak points



LASERWASH 360 PLUS



PDQ's LaserWash® 360 Plus integrated dryer option can be coupled with the unique FlashDry® High-Volume Spot-Free Rinse service. FlashDry® requires no additional time for a basic dry by completing the rinse and dry cycles in a single, simultaneous operation. Developed on the principal that it is easier to remove water that is already in motion, FlashDry® technology simultaneously rinses and removes more than 80% of the water in a single 10-second pass. Additional dryer options include a MaxAir® Stand-Alone Dryer, or the ability to use the integrated dryer as a drive-through service as the customer exits the wash bay. These options allow greater package differentiation, giving operators the ability to up-sell customers for increased revenue and profitability.



SwingAir Synchronized Motion Drying System

Your customers will enjoy drier vehicles with PDQ's SwingAir Synchronized Motion Drying System. The enhanced SwingAir oscillating feature improves dryer performance while still using less energy than most conventional dryers. This new system incorporates motion in the center two producers to help sweep water off of the vehicle's top surface, allowing the two outside producers to focus on pushing water down and off the sides of the vehicle. The SwingAir feature is available on both stand-alone and integrated drying systems.

Web-Based LaserWash® 360 Plus Interface Software

Standard with every LaserWash® 360 Plus is an advanced wash control system which allows you to access all key operating functions of the wash equipment through any web browser without additional or special software. You can configure wash packages, program machine functions and monitor sales activity remotely over the internet, obtaining real-time information and eliminating unnecessary visits to your wash sites. The LaserWash® 360 Plus can also be programmed to automatically send alerts to your computer, tablet, or smartphone, providing an instantaneous status of your wash activities and informing you of critical issues that may be occurring at your wash locations. This easy-to-program capability keeps you in touch with all of your sites from anywhere, at any time.

Technology available on all your devices



Vehicle Positioning

One of PDQ's most recognizable innovations is the unparalleled Virtual Treadle®. This electronic vehicle-sensing technology eliminates drive-on floor-mounted mechanisms, creating a wide open and inviting bay for your customers. The Virtual Treadle process begins as the vehicle enters the wash bay. Ultrasonic sensors accurately measure the vehicle's width, and bridge sensors signal the driver to stop or back up, by activating easy to understand audible LED signs. The wash system is then activated with an electronic safety envelope surrounding the entire vehicle, allowing the LaserWash® 360 Plus to maintain an optimum cleaning distance whether the vehicle is parked to one side or angled in the wash bay.

Virtual Treadle Loading

The totally integrated loading system provides consumers with simple entry into the wash without the hassles of treadles, guide rails or hanging tee-bars.



The ultra-sophisticated LaserWash® 360 Plus Arch Control System drives quicker throughput and amazes customers with its precise movements throughout the entire wash process. The arch is able to rotate 360 degrees while simultaneously navigating around the vehicle. The **Automatic Obstacle Guidance System** uses advanced technology to locate obstacles such as trailer hitches, side mirrors and other obstacles that may restrict the wash arch from properly traveling around the perimeter of the vehicle.

The arch will move away from the obstacle, record the position of the obstacle to avoid it on subsequent passes and continue washing the vehicle. If the wash arch cannot avoid an obstacle it will attempt to fully retract, rinse off any solution using the overhead rinse arch and prompt the customer to exit the bay. After the vehicle has exited and the bay is clear, the machine will automatically reset in preparation for the next vehicle.



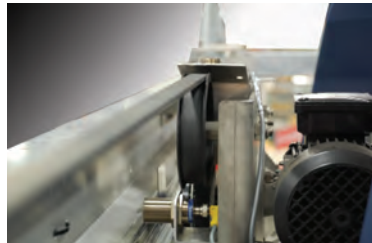
STEP 1
Move away from the obstacle.

STEP 2
Automatically back off to safely pass around the obstacle.

STEP 3
Continue wash process and record position to avoid obstacle on the next pass.



E-Chain
Left or right mounted energy chain for easy and low-cost installation



Rollers Inside
Bridge and trolley movements are smooth and effortless using internally mounted dual-axis rollers. The hanging design enhances self-centering and improved roller life by protecting the rollers from the harsh wash environment.



Simplified engineering and high-quality materials provide the optimal balance between initial investment and long-term profitability. Substantially faster wash speeds increase vehicle throughput, resulting in shorter wash lines that will delight your customers and keep them

coming back again and again. Smart 360™ Technology enables the LaserWash® 360 Plus to be highly responsive to dynamic conditions in the wash bay, minimizing downtime and optimizing the wash process, resulting in higher customer satisfaction and repeat business.

The Wide-Open, Exciting And Illuminated LaserWash® 360 Plus

Get Your Wash Noticed... Not only will the LaserGlow System help improve your customer flow, it can also be configured to work for you 24/7/365 by illuminating your wash bay day and night whether there is a vehicle in your bay or not. The system can be programmed to display multiple color combinations of flashing patterns, or constant colored illumination that matches your brand image. A glow from your wash bay can be a highly effective marketing tool to draw more attention to your wash site encouraging consumers to take notice and keep your existing customers coming back again and again.



The LaserGlow Illumination System has two options that will delight your customers and allow you to differentiate your site from your competitors.

LaserGlow Bridge Illumination System

The brilliant LED lighting portals provide even greater assistance to your customers during the loading process and offers you the ability to program lighting sequences that enhance the overall wash experience for customers while they are in the wash bay.

LaserGlow Projection Illumination System

The projection illumination system uses engineered optical technology that combines light with the wash service on the surface of the vehicle, giving an incredible and memorable car wash experience.

All You Have Come To Expect From LaserWash 360 **PLUS** Much More!

Standard Features Include:

Ultimate Cover Package

The LaserWash® 360 Plus Ultimate cover package is both attractive and functional. The **standard ultimate cover package** offers a complete state-of-the-art look that is sure to impress your customers. In addition to its looks, the cover package reduces machine exposure to the harsh wash bay environment. Underneath the covers, a separate enclosure for air valves has been added to the bridge, while all fluid valves have been removed, increasing overall reliability and serviceability.



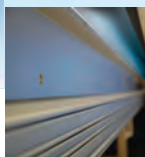
Ultimate Cover Package



Pump Station

Redesigned Pump Station

The redesigned HP Pump Station offers added durability along with an increase in ease of serviceability. The all stainless steel frame houses a dedicated fluid manifold designed to reduce fitting connections and reduce leak points. The chemical injection manifold has also been repositioned for easy service access as well as increased durability.



Non-Corrosive Rails

Non-Corrosive Materials Used

The LaserWash® 360 Plus is built using all stainless steel and aluminum for excellent resistance to water and chemical corrosion. Aluminum is strategically used for its durability and lightweight properties. The shape of the anodized extruded aluminum rails in the main bridge and trolley allow for an enclosed roller design, which allows for an extremely low rolling resistance. This in turn reduces the power needed to move the machine and eliminates the need for rail heating in cold weather climates by preventing water from accumulating and freezing on the roller path...**LESS** power consumed = **MORE \$\$\$** money saved!!!



LaserWash OverGlow

Revenue Generating Options Include:

Turn Your Wash into a Glowing Success

Put the Shine back into your profits with the OverGlow Hi-Gloss Application System. Not only will your customers love their shiny vehicle, you will love the extra revenue this product is capable of generating. Your customers will enjoy the look of a colorful, thick sheet of solution draping their vehicle. The OverGlow system includes strategically located bright LED lights that will further enhance the customer experience, ensuring excitement as well as performance.

Front Bug Prep

PDQ's exclusive Front Bug Prep can increase your revenue without adding time to the wash process. Your customers will love this feature, which focuses on the windshield, back sides of the mirrors, and the front of vehicles. Attack those hard-to-clean areas with PDQ's Front Bug Prep.



3X Color Foam System

3X Color Foam System

Upsell your customers on this colorful feature! The 3X Color Foam Applicator is designed to apply three colored foam solutions to the vehicle. Your customers, and your customers' children, will watch this product with awe as it covers their vehicle in a rainbow of colors.

Super Sealant System

Protect the surface of your customer's vehicle with our Super Sealant System. This option will help protect the clearcoat and help maintain the shine of your customer's vehicle, as well as being an excellent revenue generator for your car wash.

Gatling Guns/High Pressure Side Combo Cleaner

Differentiate yourself from your competitors with electric Gatling Guns! Gatling Guns offer enhanced cleaning capabilities for the wheel, tire, and rocker panel areas. This cone shaped dirt destroyer slices through mud and grime. Sixteen zero-degree nozzles blast dirt away in areas that conventional spray methods seldom reach.

Give your customers a complete pre-rinse with the **High Pressure Side Combo Cleaner.**

Designed to work in conjunction with your existing underbody service lines, the high pressure side combo cleaner towers offer a **complete vehicle pre-rinse as the customer enters the bay** using a combination of zero-degree rotating and V-Jet nozzles.



Gatling Gun



High Pressure Tower

LaserWash® 360 Plus Features:

Standard Machine Features:

Standard Machine Includes:
 LaserWash® 360 Plus, Corrosion-Resistant Bridge & Trolley, Smart 360™ Technology (with: Smart Networking, Smart Dwell®, Smart Arch Control, Smart Drying System and Smart Cleaning System), Automatic Obstacle Guidance, SST Wall Mounts, Aluminum Rails, Virtual Treadle, Electrical Control Panels, Basic LED In-Bay Sign, Pump Station Water Tank, General Pump, Fully Loaded E-Chain & Bulkhead Manifold, Ultimate Cover Package



Scan this QR code with your Smartphone and view the LaserWash® 360 Plus video

Options:

- CAT 3535 Pump
- Water Heater
- Single/Dual Pressure Fed Inlet
- Water Saver Package
- In-Bay Pump Station Covers
- 2 or 4 Nozzle Integrated Dryer
- MaxAir® Stand Alone Dryer
- SwingAir Synchronized Motion Drying System
- LED Service Confirmation Sign
- LED Entrance Sign
- LaserGlow Bridge Illumination Effect System
- LaserGlow Projection Illumination Effect System
- High Pressure Undercarriage
- 3X Color Foam
- OverGlow Hi-Gloss Application System
- Booster Pump for Low Pressure Sites
- Dedicated Super Sealant Manifold
- Dedicated Front Bug Prep Manifold
- Rust Inhibitor
- Wheel Cleaner
- High Volume Rinse Arch
- Electric High Pressure Gatling Guns
- High Pressure Side Combo Blasters
- Free Standing Frame
- Spot Free Rinse Application
- Water Reclaim Systems
- Storage Tanks
- Wash Activation Entry Terminals
- Cortex Site Management Software
- WAL5 Loyalty Program

LaserWash® 360 Plus Specifications:

Building Requirements

Height	Wall Mount	10'-6" Minimum (3.20 m)
	Frame Mount	10'-8" (3.28 m)
Width	Wall Mount	13'-6" Minimum to 18'-0" Maximum (4.11 to 5.49 m)
	Frame Mount	13'-6" Minimum (w/o integrated dryer) (4.11 m)
		14'-1" Minimum (w/integrated dryer) (4.28 m)
Length	Wall Mount	28'-4" (full length rails)** (8.64 m)
	Frame Mount	29'-7" (full length rails)** (9.02 m)

Note: Equipment dimension specifications do not take into consideration any obstructions, unusual wash bay configurations, etc. **Rails can be cut to length for shorter bays.

Utility Requirements

Air	1.5 SCFM @ 90 psi (6.21 Bar)
Water	30 GPM (114 LPM) @ 10 psi (0.69 Bar)
Electrical	3-Phase, 50/60 Hz

Electrical Requirements

Voltage	Pump Station	Water Heater	Bridge	Dryer Power Feed #1	Dryer Power Feed #2
208/230	90/85 Amps	28/25 Amps	20 Amps	44/41 Amps	44/41 Amps
380	60 Amps	25 Amps	20 Amps	15 Amps	15 Amps
460	40 Amps	208/230V - 28/25 Amps	208/230V - 20 Amps	21 Amps	21 Amps
575	30 Amps	208/230V - 33/30 Amps	208/230V - 20 Amps	17 Amps	17 Amps

Drying Options

30 HP Integrated 4 – Producer MaxAir® Dryer	(208/230/380/460/575V 60 Hz)	(220/380V 50Hz)
15 HP Integrated 2 – Producer MaxAir® Dryer	(208/230/380/460/575V 60 Hz)	(220/380V 50 Hz)
30 HP Stand Alone 4 – Producer MaxAir® Dryer	(208/230/380/460/575V 60 Hz)	(220/380V 50Hz)
45 HP Stand Alone 6 – Producer MaxAir® Dryer	(208/230/380/460/575V 60 Hz)	(220/380V 50 Hz)

PDQ reserves the right to revise designs, add or delete features and change specifications at any time without notice or obligation.

Feel comfortable in your decision to purchase PDQ Equipment.
 We are proud to be part of **DOVER CORPORATION** A Fortune 500 Company.

PDQ Manufacturing, Inc. 1698 Scheuring Rd. De Pere, WI 54115 USA (920) 983-8333 1-800-227-3373 www.pdqinc.com

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