

PRO TOUCH[®]

Soft Touch In-Bay Automatic Vehicle Wash System

ICON



Delivering Innovative Vehicle Cleaning Solutions Worldwide

A **DOVER** COMPANY

PERFORMANCE, DEPENDABILITY AND QUALITY

The PDQ ProTouch Series just became a more formidable force in the friction in-bay automatic car wash industry. With the introduction of the **ProTouch ICON**, PDQ is now capable of offering another option to meet all of your soft touch in-bay automatic needs. The ProTouch ICON is a new three-brush gantry-style system that offers superior aesthetics, a larger wash envelope, next generation brush control precision, amazing illumination packages and revenue generating features that are synonymous with all PDQ car wash equipment. The ProTouch ICON was engineered to deliver incredible cleaning results using several “industry first” innovations that are unsurpassed by any other gantry-style rollover on the market today. **ProTouch ICON – the next generation in vehicle cleaning systems – by PDQ Manufacturing, Inc.**

- ProGlow Illumination Effect System
- ProFlow High Pressure Pump Station
- Touch / Touchless Bi-directional Wheel Scrubs
- ProFlow Pressurized Fluid System
- ProLoad Vehicle Loading System
- Swing Air Oscillating Drying System



Customer Experience



The ProTouch ICON offers your customers a very unique wash experience that is second to none. It was designed to give the most convenient, safe and superior friction wash available. Unlike other friction washes in the industry, the ProTouch ICON offers the industry's largest wash envelope for your customers, making positioning your vehicle very simple, ensuring your customers feel comfortable and safe in any ProTouch ICON wash bay.

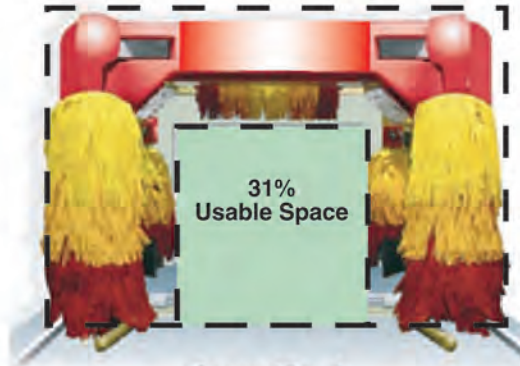
	Machine Area (sq. in.)	Consumer Area (sq. in.)	Efficiency
ProTouch ICON	20,412	9,555	47%
Competitor 1	22,032	6,840	31%
Competitor 2	25,276	8,610	34%

Customer Experience: Usable Space Comparisons

The ProTouch ICON offers your customers the industry's largest open bay ratio. The ProTouch ICON allows your customer to use 47% of the overall machine square footage, far better than our closest competitor. This will make navigation in and out of the wash bay simple for your customers.



ProTouch ICON



Competitor 1



Competitor 2

Advanced ProTouch ICON Interface Software

Standard with every ProTouch ICON is an advanced wash control system which uses a web browser interface, allowing you to access all key operating functions of the wash equipment through your web browser without any special software. Additionally, you can configure wash packages, program machine functions and monitor sales activity remotely over the internet, getting real-time information and eliminating unnecessary visits to your wash sites. The ProTouch ICON can also be programmed to automatically send alerts to your PC, Tablet, or Smartphone to let you know the real-time status of your wash or to provide updates on critical issues that may be occurring at your wash locations. This capability keeps you in touch with all of your sites from anywhere at any time.



GEN5

INTELLIGENT BRUSH CONTROL

Building off of the advances that PDQ made with the ProTouch Tandem, the ProTouch ICON delivers additional cleaning and improvements through the use of superior electronic torque control and enhanced machine positioning recognition capabilities that allow the ICON to provide a superior cleaning scenario for all vehicle types and configurations.

Gen5 Intelligent Brush Control offers the following features:

- With our closed cell foam brush material, the ProTouch ICON offers one of the quietest washes in the industry with very gentle vehicle contact to ensure that your customers have a worry-free and enjoyable experience every time they visit your wash site
- Sophisticated software that can monitor over 20 brush conditions ensuring the brushes provide optimal contact, orientation and speed allowing your customers to receive the cleanest vehicle every time
- The gantry and trolleys are integrated with Gen5 intelligent brush control working in synchronization to position the brushes for the best cleaning as they move along and around the vehicle
- The vehicle is constantly monitored for items such as wipers, mirrors, roof racks, hitches and other obstacles using constant feedback from the innovative electronic brush torque control feature
- The ProTouch ICON allows you to overlap brush movements along the front and rear of the vehicle to eliminate "skunk striping" that can occur with other gantry-style machines
- The ICON has the industry's only "top biased" overhead brush that will return to its upper position during a power failure to provide your customers a way to exit the wash bay safely, eliminating any damage to the vehicle or wash equipment
- With Gen5 brush control the side and top brushes can be programmed to rotate in opposite directions on the same pass or in one direction on a front to back cycle and the reverse direction from the back to front return pass, giving you the ultimate flexibility for creating effective wash packages

**(See Gen5 Sell Sheet)

Brush Control Generations	Gen1	Gen2	Gen3	Gen4	Gen5	ProTouch	ProTouch Tandem
Variable frequency drive							
Brush torque control							
Brush orientation control							
Brush speed control							
Brush contact control							
Brush position control							
Brush rotation control							
Brush pressure control							
Brush temperature control							
Brush vibration control							
Brush wear control							
Brush life control							
Brush maintenance control							
Brush safety control							
Brush monitoring control							
Brush diagnostics control							
Brush reporting control							
Brush integration control							
Brush synchronization control							
Brush calibration control							
Brush optimization control							
Brush customization control							
Brush flexibility control							
Brush adaptability control							
Brush intelligence control							
Brush automation control							
Brush efficiency control							
Brush effectiveness control							
Brush reliability control							
Brush durability control							
Brush performance control							
Brush quality control							
Brush consistency control							
Brush precision control							
Brush accuracy control							
Brush repeatability control							
Brush scalability control							
Brush expandability control							
Brush compatibility control							
Brush interoperability control							
Brush integration control							
Brush synchronization control							
Brush calibration control							
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Brush accuracy control							
Brush repeatability control							
Brush scalability control							
Brush expandability control							
Brush compatibility control							
Brush interoperability control							



Variable frequency drives enable the Gen5 Brush Control System to maximize brush to vehicle precision, contouring and cleaning

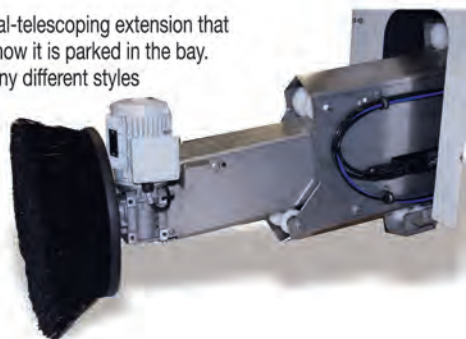
The ProTouch ICON Wheel Cleaning System



One of the most sensitive areas for customers to have cleaned when they visit your wash site, is the wheels. Your customers are willing to pay more to have their dirty wheels cleaned and with the ICON you have multiple cleaning options that will satisfy even the most demanding consumer. The **ProTouch ICON Wheel Cleaning System** allows you to choose the method that is best for your market area.

Available as chemical only, touchless or scrubbing brush, with either low pressure or high pressure, or you can offer an "all in" approach that incorporates a combination of options to deliver the ultimate wheel cleaning package.

The counter-rotating brushes have the longest dual-telescoping extension that can reach even the smallest SmartCar no matter how it is parked in the bay. The wheel scrubbers effectively reach into the many different styles of rims available while a center water flush provides lubrication and removal of loosened dirt. You also have the option to apply a wheel cleaning chemical early in the wash program that will loosen the soils to make scrubbing or high pressure washing more effective.



PROGLOW

ILLUMINATION EFFECT SYSTEM

Every ProTouch ICON includes the loading system illumination package that effectively guides your customers through the vehicle entering and exiting process. Combined with the audio system these bright, clear and informative messages provide easy to understand guidance for your customers, to ensure a simple and safe wash process.

In addition to the standard loading system illumination package the ProTouch ICON offers additional illumination options that will delight your customers and allow you to differentiate your site from your competitors.

- **ProGlow Portal Entry Illumination** - 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 enhances the overall wash experience for customers while they are in the wash bay
- **ProGlow Projection Illumination** - With the addition of LED lighting in the overhead bridge 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
- **ProGlow Exit Illumination** - Brilliant LED lighting is mounted to back of the gantry bridge to provide your customers a final memorable view of your wash bay as they exit the site

The ProGlow illumination system can be configured to work for you 24/7/365 illuminating your bay day and night whether your vehicle wash is in use or not! The system can be programmed to display multiple combinations of colors, 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 take notice and keep your existing customers coming back again and again. **Get your wash noticed 24 hours a day with the ProGlow illumination system.**



PROFLOW

PRESSURIZED FLUID SYSTEM

PDQ is well recognized for the superior manner in which they apply fluids and sealants to vehicles with their touchless LaserWash® wash systems. With the incorporation of the **ProFlow Pressurized Fluid System** for chemical applications, the ProTouch ICON is also equipped to offer the same high precision pressurized fluid process for chemical application consistency resulting in superior cleaning performance and greater cost control.

The standard ProTouch ICON comes equipped with a full vehicle body spray manifold for applying presoaks, protectant applications and for thorough rinsing. The stainless steel applicator has nozzles positioned to maximize vehicle coverage. In addition to these standard services, the ProTouch ICON offers a full complement of others options that your customers have become accustomed to and expect at your wash sites. Items such as; Productivity Rinse Manifolds, Front Bug Prep Systems, 3X Color Foam, as well as Super Sealants allows you to up-sell your customers for improved profitability and repeat business.

PROFLOW HP

PRESSURIZED FLUID SYSTEM

PDQ's high-pressure cleaning technology offers an exceptional wash experience for your customers with the ProFlow HP options available on the ProTouch ICON. High pressure and high flow combined with 14 rotating nozzles for effective removal of stubborn dirt or snow removal from the sides of your customer's vehicles. An additional 8 high pressure nozzles can be selected for superior cleaning of wheels, running boards and rocker panels. **An experience that will delight your customers as they feel the difference.** Powered by a workhorse pumping system, the ProFlow HP module and options provide operators the extra "kick" that is needed at times and an effect that your customers will remember and reward you by coming back again and again.

The ProTouch ICON can be partnered with a variety of drying options. We offer a complete integrated drying system for those smaller bays, as well as a MaxAir stand alone dryer in either four or six producer configurations. The ICON also is available with PDQ's new **Swing Air Synchronized Motion Drying System**. This new system incorporates motion in the center two producers used to help push the water off of the vehicles top surface, allowing the two outside producers to focus on pushing the water off the sides of the vehicle. This synchronized drying system offers a superior dry that your customers will appreciate. The SwingAir is available on both integrated and stand alone drying systems, a drying system that will fit any market need.



ProTouch® ICON Features:

Base Machine Includes:

- ICON aluminum gantry frame, blue foam brush material, Gen5 Intelligent Brush Control™, top ultrasonic profiling, primary stainless spray manifold with mirror coverage
- Basic cover package (includes front gantry covers)
- ProFlow™ pressurized off-board fluid system with: primary water inlet, brush lube, foaming detergent, drying agent and rinse
- ProLoad™ consumer parking system with easy to understand LED signage and spoken audio instructions
- Standard Length Floor Rails in (2) pairs of 198" segment with no-weld clamp system
- Pre Loaded E-Chain can be machine or wall mounted (select right/left side) with easy-connect bulkheads and terminal box
- Hand Held Remote Control for simple in-bay maintenance and diagnostic troubleshooting
- Web Browser interface for configuration and setup
- Email/Text/Cortex messaging capabilities
- ACCESS entry unit "network ready" connection ability

ICON Options:

- Front Prep Applicators with ProFlow controls
- 3X Foam Applicators with ProFlow controls
- Foaming Wax with ProFlow controls
- Super Sealant Applicators with ProFlow controls
- Productivity Rain Arch Applicator
- Wheel Chemical Applicators with ProFlow controls
- ProFlow High Pressurized Fluid System Provides +1,000 PSI support for high pressure services.
- ProGlow Illumination Effect Systems
- Drive Through Underbody Manifold - Low or high Pressure
- In-Place Underbody Manifold - Low or High Pressure
- Electric High Pressure Gatlin Guns
- ICON Side Blaster
- ICON Wheel Blaster
- ICON Wheel Scrubbing
- SwingAir drying system - with 2 oscillating nozzles
- SwingAir drying system - with 2 oscillating nozzles and 2 fixed outside nozzles
- MaxAir, 4 or 6 Producer Stand Alone Drying system
- Deluxe cover options
- Plus many more options to enhance your car wash

ProTouch® ICON Specifications:

Building Requirements

Height	Minimum	10'-6" (3.20 m)
	Recommended	11'-0" (3.35 m)
Width	Minimum	13'-6" (4.11 m)
	Recommended	15'-0" (4.57 m)
Length	Minimum	32'- 9" (9.98 m)
	Recommended	35'-5" (10.79 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	20 GPM (75.7 LPM) @ 10-80 psi (0.69 Bar-5.52 Bar) ProFlow Pump Station
	25 GPM (94.6 LPM) @ 30 psi (2.07 Bar) Additional for ProFlow High Pressure Pump Station

Electrical Requirements

Base ProTouch ICON - 40A @ 208-230VAC, 3PH, 60 Hz
ProTouch ICON with Wheel Scrubbers and 2-Producer Oscillating Dryer - 100A @ 208 - 230VAC, 3PH, 60 Hz

Adders:

2-Producer Side Dryers - 44/41A @ 208 - 230VAC, 3PH, 60 Hz
 ProFlow High Pressure Pump - 49A @ 208 - 230VAC, 3PH, 60 Hz
 4-Producer MaxAir Stand Alone Dryer - 2 Supplies, each 44/41A @ 208 - 230VAC, 3PH, 60 Hz
 6-Producer MaxAir Stand Alone Dryer - 3 Supplies, each 44/41A @ 208 - 230VAC, 3PH, 60 Hz

Drying Options

15 HP Integrated 2 - Producer SwingAir Dryer
 30 HP Integrated 2 Producer SwingAir dryer with 2 Producer Outside Drying
 30 HP Stand Alone 4 Producer MaxAir Dryer
 30 HP Stand Alone 2 Producer SwingAir dryer with 2 Producer Outside Drying
 45 HP 6 Stand Alone Producer MaxAir Dryer
 45 HP 2 Producer SwingAir dryer with 2 Producer Outside and 2 Producer Side Drying

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.

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Vehicle Wash Systems
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