

*Innovation + Quality =*



Smarter. Cleaner. Greener.

*2.0*



*The best way to wash is here.*

Innovation + Quality = IQ 2.0

# *IQ Platform - Integrated Technology*



# for Your Car Wash

**Designed for the highest level of wash performance, reliability and profitability**

Because vehicles come in many different shapes and sizes, the IQ Car Wash System is designed using a proprietary vehicle profiling system that generates a highly accurate rendition (scan) of the vehicle before it is washed. Using Ultrasonic Sensors, Light Grids and the IQ Command Module™, every vehicle is precisely measured during the beginning of the wash process. This scan is then used to create a customized wash for the vehicle. If the vehicle has a luggage rack, spoiler, trailer hitch, bug guard, or items in the bed of a pickup truck, the IQ knows this and accommodates for them in the wash profile.

Developed for greater wash efficiency and maximum uptime, the IQ platform combines state-of-the-art technology, advancements in cleaning technology and “green” initiatives to give you a clear advantage over your competition.

Designed to be easy to use, quiet and gentle on every vehicle, the IQ offers an extraordinary value – fast wash speeds, convenience and uncompromised wash quality!



A key element of the IQ is the **Graphical User Interface (GUI)**, which connects you with your machine. You enjoy complete control and flexibility over your equipment and wash operation in real time from anywhere in the world. The remote system self-monitors all aspects of the car wash. Programming of wash recipes is simple and stored in the system's memory, allowing you to easily retrieve recipes to adjust for seasonal washing conditions. Remote monitoring of diagnostic codes helps identify small problems before they become big ones. And since your distributor can also retrieve diagnostic codes and maintenance data, problems often can be identified and solved without the distributor leaving the shop – saving you costly trip charges.

This platform has also been carried over and incorporated into D&S self-service equipment. The IQ Self Wash is available for 1 to 6 bay self-serve applications, utilizing integrated technology for greater performance and wash efficiency.



Innovation + Quality = IQ 2.0

# *IQ Soft Touch*

**Strong silent type.** The IQ 2.0 Soft Touch delivers the highest wash quality and greatest productivity in a 3-brush system. Your customers will be amazed how quiet and easy this wash is to use, as well as how thoroughly it cleans their cars.



## Base Package

### Lightweight Dual Carriage Drive

- Synchronous Omega Belts
- 3 Gentle, Soft Foam Brushes
- 3-D Vehicle Mapping & Profiling
- Invisible Treadle Design
- Self-Cleaning Rail & Light Grid Rinse
- On-Board Wheel Cannon™ with Chemical Applicator
- Electric Operation with VFD Motor Control
- Quick-Connect Motors & Cables
- In-Bay Voice Commands & In-Position Horn
- Floor & Column Mount Rail Systems

### Dynamic Energy Chain

- High-Quality, Durable Design
- Great Stability & Self-Supporting
- Protects & Conveys Cables & Hoses for X, Y & Z Axis Motion

### Ultra-Compact Pump Stand

- Full-Color Touch-Screen Interface
- Web-Based Notifications/Access
- Injector-Based Chemical Delivery System for Foaming Detergent, Clear Coat/Drying Agent & Wheel Cleaner
- Spot-Free Rinse Compatible

### Cold Weather Shutdown

### “Plug & Play” Installation

### 7' 6" Vehicle Clearance

### IQ Sign Packages

### 1 Year Limited Warranty



Foam Brushes



Light Grid



Invisible Treadle



Wheel Cannon

Genius Series Packages feature 2 additional water source connections, off-board Undercarriage, Detergent 2, Tri-Foam, Bug-Off (floor mounted), Quick Rain and Foaming Wax options!

Innovation + Quality = IQ 2.0

# *IQ Touch Free*

**Time better spent!** The IQ 2.0 Touch Free cleans faster, cleans better and offers greater uptime.



## Base Package

### Lightweight Dual Carriage Drive

- Synchronous Omega Belts
- Turbo-Boosted Top Wand Nozzles
- Rotating Side Wands for Simultaneous Cleaning Action
- Vehicle Mapping & Profiling
- Invisible Treadle Design
- Self-Cleaning Rail & Light Grid Rinse
- On-Board Wheel Cannon™ with Chemical Applicator
- Electric Operation with VFD Motor Control
- Quick-Connect Motors & Cables
- In-Bay Voice Commands & In-Position Horn

### Dynamic Energy Chain for Power & Chemical Distribution

- High-Quality, Durable Design
- Great Stability & Self-Supporting
- Protects & Conveys Cables & Hoses for X, Y & Z Axis Motion

### Ultra-Compact Pump Stand

- Full-Color Touch-Screen Interface
- Web-Based Notifications/Access
- Injector-Based Chemical Delivery System for Pre-Soak, 2-Step, Clear Coat & Wheel Cleaner
- Spot-Free Rinse Compatibility

### Cold Weather Shutdown

### “Plug & Play” Installation

### 7' 6" Vehicle Clearance

### IQ Sign Packages (option)

### 1 Year Limited Warranty



Top Wand Nozzles



Rotating Side Wands



Invisible Treadle



Wheel Cannon

Genius Series Packages feature 2 additional water source connections, off-board Undercarriage, Tri-Foam, Bug-Off (floor mounted), Quick Rain, Foaming Wax and CAT 3535 pump options.

# High-Performance Details

## Smarter. Cleaner. Greener.

### Dual Carriage Drive

The IQ 2.0 Dual Carriage Drive assemblies control the direction and speed of the unit from a single VFD. Dual Carriage Drive provides for smoother operation, higher performance, less component wear and greater wash efficiency.



### Connectorized Motors & Cables

All motors are connected by multi-conductor wire and cable assemblies using sealed connectors and termination components to prevent motor water ingress. IQ 2.0 quick-disconnect motors and encoders are fast and easy to replace if necessary.

### 3-D Scanning

A high-tech profile of every vehicle is captured while “mapping” details like the luggage rack and spoilers. The IQ 2.0 washes best because it knows the unique size and shape of every vehicle being washed in the bay.

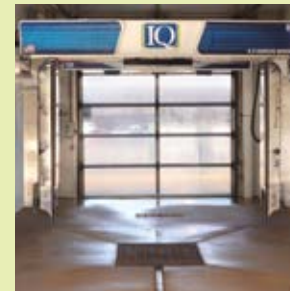
### Variable Frequency Drive

Rising energy prices created a need for energy-efficient motor control. The IQ 2.0 electric drive provides the solution to control costs. Low-amp electric driven motors with VFD control manage input power based on system demand and use only the energy required by the driven equipment.



### Wheel Cannons

Touch-free on-board wheel cleaners are one of the most powerful – and precise – wheel cleaners to blast away brake dust and road grime. Now you can effectively clean up to 20" rims with a wide and powerful spray pattern.



### Invisible Treadle & Audible Positioning

Cars virtually line up in the bay due to the IQ 2.0 vehicle positioning system. Getting in position in the bay is easier, and with no guide rails or hardware on the floor, the bay has a clean “open” look. Together with in bay signage and IQ Voice Announcer™, drivers are safely guided into the wash and accurately placed in position by clear audible instructions and signage. At the end of the wash, drivers are instructed to “Exit Slowly” and thanked for their wash purchase.

### Lightweight Carriage

The IQ 2.0 is designed to take your wash to the next level of productivity and efficiency. It's lighter weight, allowing lower power consumption than other systems that utilize larger motors to drive the heavier machines. Earn more washing the same number of cars and achieve a healthier bottom line with the IQ.



### The IQ is Soft

Using closed-cell foam brushes, the IQ 2.0 Soft Touch quietly and gently cleans each vehicle. Longer brushes at the top of the side brushes reach those hard to clean areas at the rear of the vehicle.



### The IQ is Fast

You'll appreciate IQ 2.0 wash times and the ability to thoroughly clean more vehicles than ever before. Wash speed and menu programming are also fast and easily managed from a laptop, tablet or smart phone.



### Turbo-Boosted Top Wand Nozzles & Rotating Side Wands

Zero-degree high-impact nozzles and revolving side wands simultaneously clean both sides of a vehicle faster than inverted "L" models. Water is only sprayed in areas where there is a vehicle, so cross-spray and purging are kept to a minimum. Get the best cleaning action with our unique touch free rollover design.

### Tri-Foam & Direct-Inject Wax

Pre-Soak and Tri-Color lather cover every vehicle in a bath of foam cleaner. Chemical application is designed to apply just enough product with a fine mist close to the vehicle with minimal overspray and runoff. Separate manifolds and plumbing allow "instant" on-off chemical application, saving changeover time.



### Safety First

The IQ 2.0 provides a highly efficient and safe custom wash for everything from Mini Coopers to dually and full-sized pickup trucks. Anti-fall brackets keep the IQ engaged with the rails to prevent damage from vehicle contact or unexpected movement conditions. The IQ 2.0 Touch Free top wand safety bumpers prevent contact with the vehicle if the vehicle moves during the wash process.

### Ease of Maintenance

The IQ 2.0 is intuitive. It's self-diagnostic and tells you when there is a problem and when it needs service. Routine checks and preventive maintenance are managed by proprietary software to maximize uptime. All adjustments are made from the interface. No valves to adjust and no potentiometers to tweak. Plus, with our quick-disconnect motor design, change out of all motors is fast and reduces downtime. The IQ 2.0 has NO grease points.



### Lower Cost of Operation

The IQ 2.0 delivers performance while consuming less power, less water and less chemicals than most other systems. It boasts one of the lowest costs of operation available. The majority of IQ components are shared between the Soft Touch and Touch Free models, so if you purchase both, you need fewer spare parts!

### Eco-Friendly Design

Eliminate environmental concerns now and in the future with the IQ 2.0 eco-friendly design. Energy-efficient design helps meet municipal guidelines prevalent today in state and local government for greener initiatives. The IQ 2.0 is also water-reclaim compatible to reduce wastewater and gray water disposal. Connect to any reclaim system and go green with confidence.

### Tech Savvy

The IQ 2.0 is web enabled so you can get basic information like daily wash counts, service issues and faults interface. Program updates and troubleshooting are easily performed over the internet. We lead the car wash industry with the latest proprietary software and most powerful microprocessor to always keep you connected. Full color touch screen included!



# Unexpected Extras

## Foaming Wax & LED Light Show

Add an unprecedented wax, shine and impressive light show to your top wash and give your customers an unforgettable experience. IQ 2.0 Foaming Wax protects and shines. It's totally safe for all finishes.



Foaming Wax ROI*		
<b>\$5,000</b> Foaming Wax Upgrade Cost	<b>\$1,232</b> Increase in Monthly Revenue	<b>4.06</b> Payback in Months

\* ROI based on 2015 monthly average from existing retail IQ Soft Touch car wash. Results may vary, no guarantee of income, expenses or profit is implied.

## Smarter. Cleaner. Greener.

### 35 GPM option on IQ 2.0 Touch Free

A 1200psi 35 gpm high pressure pump can be added to the IQ 2.0 Touch Free to blast away dirt and grime with greater impact and flow. For the utmost customer experience, choose the 35 gpm option.



### Small Footprint Chemical Pump Stand

Our compact pump stand design (standard) maximizes equipment room space and comes available with an integrated RO Producer to make spot free water for the car wash.





### Off-Board Dryers

Dryers improve the efficiency and profitability of your car wash. The IQ is available with a dryer package that can be mounted inside or outside the bay, depending on your building and bay length. Dryers come in many different options and horsepower configurations to meet power and electrical requirements at your location. Added to your bay, a dryer will enhance the customer experience and ensure total satisfaction from the wash.



### Auto Cashiers

The IQ is designed to be operated as an unattended automatic car wash and is compatible with most auto cashier systems. No matter which pay station you choose, it will simply connect to our unit and interact with your customers to assist with transactions and marketing your car wash.

### Wheel/Rocker Panel Blasters

Additional high-pressure jets help remove snow from the wheel wells and rocker panels as the vehicle enters the bay. Enhance the overall cleaning capability of your IQ with this option. A separate high-pressure pump system is required for Soft Touch Systems.



### Extended Warranty

Your IQ 2.0 can be covered from bumper to bumper for 2 full years. Service plans are also available. Go with the “No Worry” Warranty and we’ll make it even easier for you to do business with us!



# Suited to Fit Your Wash

When it comes to tackling the demands of today's car wash customers, IQ 2.0 delivers. Every IQ is designed for higher wash efficiency and maximum uptime. Ingenious technology and remarkable features are engineered with you in mind, down to the tiniest detail. Short or long, wide or narrow, IQ 2.0 fits in most bays and installs in just

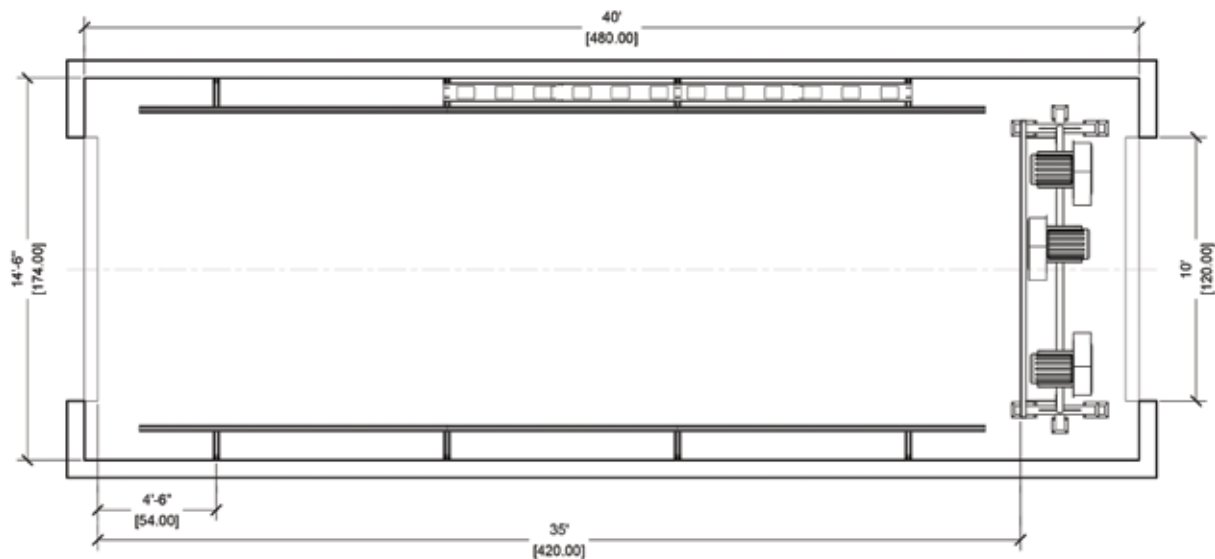
a matter of days not weeks. **Get the features and options to enhance customer appeal, value and to attract more customers that will take your wash to the next level of profitability. Size-up the right IQ for your wash!**

SPECIFICATIONS		IQ SOFT TOUCH	IQ TOUCH FREE
<b>Building Requirements</b>	Supplied Rail Length	32'	32'
	Bay Height (minimum)	9'8"	9'8"
	Bay Width (minimum)	14'6"	14'6"
	Bay Length (minimum)	35' (to fully wash all vehicles)	33'6" (to fully wash all vehicles)
	Bay Length w/Dryers (minimum)	40' (to fully wash all vehicles)	38'6" (to fully wash all vehicles)
<b>Water Requirements</b>	Cold Soft	3/4"	3/4"
	Hot Soft (optional)	3/4"	3/4"
	Spot Free	1½" (10 gpm) from Storage Tank	1½" (10 gpm) from Storage Tank
	RO Reject or Reclaim (optional)	3/4" (8 gpm) from Storage Tank	1½" (16 gpm) from Storage Tank
<b>Vehicles</b>	Vehicle Height (max)	7'6"	7'6"
	Vehicle Width (max)	110"	110"
<b>Carriage (assembled)</b>	Carriage Width	148"	148"
	Carriage Height	112"	112"
	Carriage Weight	750 lbs	700 lbs
<b>Pump Stand Dimensions</b>	Chemical Pump Stand	24"w X 32"d X 53"h	24"w X 32"d X 53"h
	25 gpm High-Pressure Pump Stand		32"w X 35"d X 63"h
	35 gpm High-Pressure Pump Stand		32"w X 48"d X 63"h
<b>Pump</b>	Chemical Pump (Low Pressure)	10 gpm @ 200 psi	10 gpm @ 200 psi
	High-Pressure Pump	8 gpm @ 900 psi	25 or 35 gpm @ 1200 psi
<b>Electrical</b>	Carriage	20 amp - 3 ph 208/230V	20 amp - 3 ph 208/230V
	Chemical Pump Motor	1.5 hp - 3 ph 208/230V	1.5 hp - 3 ph 208/230V
	High-Pressure Pump Motor	5 hp - 3 ph 208/230V	15 or 30 hp Motor - 3 ph 208/230V
<b>Air</b>	Filtered Dry Air For Chemical Aeration	6 cfm @ 90 psi	9 cfm @ 90 psi

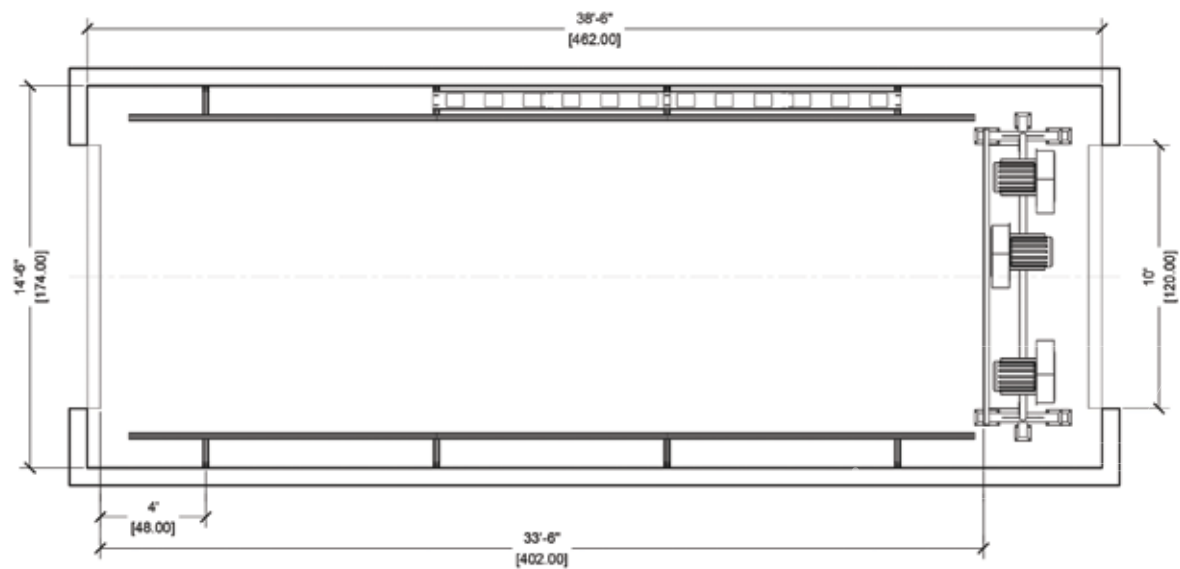
# Space Requirements

## MINIMUM SPACE REQUIREMENTS FOR IQ 2.0

*IQ Soft Touch*



*IQ Touch Free*



# IQ Models

IQ 2.0 MODELS	SOFT TOUCH BASE	SOFT TOUCH GENIUS	TOUCH FREE BASE	TOUCH FREE GENIUS
<b>Configurations</b>				
Up to 18' Bay Width	◆	◆	◆	◆
Over 18' Bay Width	x	x	x	x
32' Rail Length	◆	◆	◆	◆
Column Mount Rails	x	x	x	x
Floor Mount Rails	x	x	x	x
Other Rail Length	x	x	x	x
<b>Pump Stand</b>				
2 Additional Water Sources		◆		◆
Spot-Free Rinse Inlet	◆	◆	◆	◆
Integrated RO Producer	x	x	x	x
Tri-Foam System		◆		◆
Foaming Wax & LED Light		x		x
Detergent 2 or 2-Step Pre-Soak		◆	◆	◆
3535 Cat Pump				x
<b>Bay</b>				
Off-Board Undercarriage		◆		◆
Bug Off		◆		◆
Off-Board Wheel/Rocker Panel Blaster	x	x	x	x
Photo Eye Kit	x	x	x	x
IQ Bay Cross Over	x	x	x	x
<b>Miscellaneous</b>				
Critical Spare Parts Kit	x	x	x	x
Extended Warranty	x	x	x	x
◆ = Standard x = Option				

# Consumption Data

Wash Process/Pass	IQ 2.0 SOFT TOUCH				IQ 2.0 TOUCH FREE			
	BASIC WASH		TOP WASH		BASIC WASH		TOP WASH	
Undercarriage	YES		YES		YES		YES	
Bug Off	NO		YES		NO		YES	
Scan Pass	PRE-SOAK		PRE-SOAK/WHEEL CLEANER		PRE-SOAK 2		PRE-SOAK 2/WHEEL CLEANER	
Pass 1	FOAMING DETERGENT		TRI-GLOSS		PRE-SOAK 1		PRE-SOAK 1	
Pass 2	ALL BRUSH/RINSE		ALL BRUSH/RINSE/ROCKER BLASTER		TOP WAND/SIDE WAND		TOP WAND/SIDE WAND	
Pass 3	SIDE BRUSH/WAX		FOAMING WAX		SIDE WAND/ROCKER BLASTER		TRI-GLOSS	
Pass 4	RAIN CURTAIN RINSE		SIDE BRUSH/RINSE/ROCKER BLASTER		WAX		SIDE WAND/RINSE/ROCKER BLASTER	
Pass 5			WAX		SPOT FREE		FOAMING WAX	
Pass 6			SPOT FREE				TOP WAND/SIDE WAND	
Pass 7							WAX	
Pass 8							SPOT FREE	
TOTAL WASH TIME (does not inc. Dryer)	4 min, 10 sec		5 min, 5 sec		3 min, 50 sec		5 min, 30 sec	
<b>*Water Consumption</b>								
RO Reject (gal) (Undercarriage/Wheel Blaster)	4		11		26.5		26.5	
Soft Water (gal)	13.5		22.5		30		70	
Spot Free (gal)	6.5		6.5		6.5		6.5	
Total Water Consumed (gal)	24		40		63		103	
<b>*Power Consumption</b>								
	<b>KWh</b>		<b>KWh</b>		<b>KWh</b>		<b>KWh</b>	
	<b>Cost</b>		<b>Cost</b>		<b>Cost</b>		<b>Cost</b>	
Electric	0.26		0.04		0.98		1.63	
	\$0.03		\$0.04		\$0.10		\$0.16	
<b>*Chemical Consumption</b>								
	<b>ML/Wash</b>		<b>ML/Wash</b>		<b>ML/Wash</b>		<b>ML/Wash</b>	
	<b>Retail Cost</b>		<b>Retail Cost</b>		<b>Retail Cost</b>		<b>Retail Cost</b>	
Bug Remover			34				34	
Low pH Pre-Soak					35		35	
Alkaline Pre-Soak	42		42		271		271	
Foaming Detergent	24							
Wheel Cleaner			96				106	
Tri-Color Foam			33				33	
Wax	12		12		13		13	
Quick Rain								
Foaming Wax			36				36	
Total	\$0.25		\$1.42		\$0.75		\$2.06	

\* Costs are variable, depending on local utilities and chemical supplied.

# Make It Yours

The IQ 2.0 has it all – more features, a higher wash quality, more powerful technology and even greater efficiency. See for yourself how the revolutionary IQ Car Wash System

has impacted the market and discover why more and more operators are becoming Smarter. Cleaner. Greener.

## Soft Touch Wash Menu Options

- Off-Board Undercarriage
- Bug-Off Applicator (floor mounted)
- Pre-Soak or Detergent 1 & 2
- Wheel Cannon & Chemical Applicator
- Wash/Scrub
- Tri-Foam Conditioner

- Foaming Wax with LED Light Show
- Rain Curtain Rinse
- Quick Rain Drying Agent
- Spot-Free Rinse
- Dryer



## Touch Free Wash Menu Options

- Off-Board Undercarriage
- Bug-Off Applicator (floor mounted)
- 2-Step Pre-Soak
- Wheel Cannon & Chemical Applicator
- High-Pressure Wash
- Tri-Foam Conditioner

- Foaming Wax with LED Light Show
- High-Pressure Rinse
- Quick Rain Drying Agent
- Spot-Free Rinse
- Dryer





## Custom Graphics

Customize your IQ Car Wash System to create a unique design that gives your wash a professional appearance and competitive advantage. Custom graphics help sell your wash concept. We'll incorporate your brand or logo, or we will create a design for you that coordinates with your building decor. Ask about custom graphics for your IQ and other equipment at your car wash.



## Buying & Financing

Like what you see so far? Ready to add an IQ to your operation? We make it easy to own an IQ with short-term equipment leasing and general small business financing through our in-house finance department. We can help you decide which financial package best suits your needs. Call us today **toll free at 800-844-3442** or talk to your local distributor to find out more.



## Market Segments

The IQ is designed to fit many applications. If you're a car wash owner or manager, our brand and turnkey expertise are the right solutions for your business. We have units in self-service car washes, convenience stores, automobile dealerships, airports, rental car locations and municipal garages throughout the U.S.

Our goal is to improve your bottom line by maximizing uptime, increasing customer satisfaction, and conserving precious resources. Contact us today about your car wash equipment needs and allow us to help you make **The Smarter Choice®** for your business!



Investors



C-Stores



Automobile Dealerships

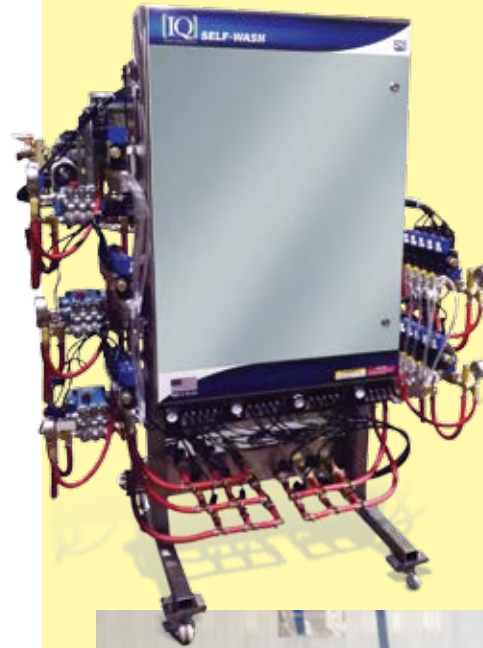
# IQ Self Wash

Now there's a smarter self-serve car wash solution!  
The smarter, cleaner, greener design of the **IQ Self Wash!**

It's the most efficient and ecological solution for your self-serve car wash. The IQ Self Wash is extremely versatile, providing all functions for the car wash from

a small, compact pumping system. It features direct drive, triplex pumps controlled by VFD motors to give you complete control of water pressure and chemical consumption. Operating pressure is adjustable in low, medium, and high modes from 0-1500 psi.

All chemicals are directly injected into the system for precise control of chemical delivery, so the need for mixing and storage tanks is eliminated. Maximize space at your location with the IQ Self Wash small footprint and big improvements.



# It's All in the Details



Bradley Sherrill

"Not only are we offering an IQ, we're offering craftsmanship, and I take pride in that."



Greg Mercer

"It's our people who make a difference and uphold our reputation."



Matthew Smith

"Come visit us. We like meeting new customers!"

## Learn More About IQ 2.0

Want to learn even more about the IQ 2.0 In Bay Automatic Car Wash System? Visit [IQCarWashSystems.com](http://IQCarWashSystems.com) to view product videos and read Success Stories of actual owners/operators to learn how they have become even more profitable and successful with the IQ Car Wash System!

# [IQCarWashSystems.com](http://IQCarWashSystems.com)



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