



**Industrial  
Automation**

Our product brands:

IMI Norgren

IMI Bimba

IMI Bahr

# Car Wash Industry Solutions



Breakthrough  
engineering for  
a better world

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# Breakthrough engineering for a better world

We create breakthrough solutions which accelerate the safety, reliability and performance of everyday processes. Our valves and complete system solutions control liquids and gases, enabling machine builders to improve design functionality and keep safety and sustainability at the forefront of innovation.

For over 80 years, we have helped our customers improve the reliability and efficiency of their machines for diverse end markets. Working in close customer partnership, we continuously push the boundaries of technology, offering a wide selection of components and tailored solutions. Meeting equipment manufacturers' needs includes everything from helping provide traceability for consumers, to reducing waste in critical resources and delivering a premium cup of coffee.

Through flexible, scalable and agile innovation, we help our customers solve their current challenges and create competitive advantage for the future.

Breakthrough engineering you can count on.

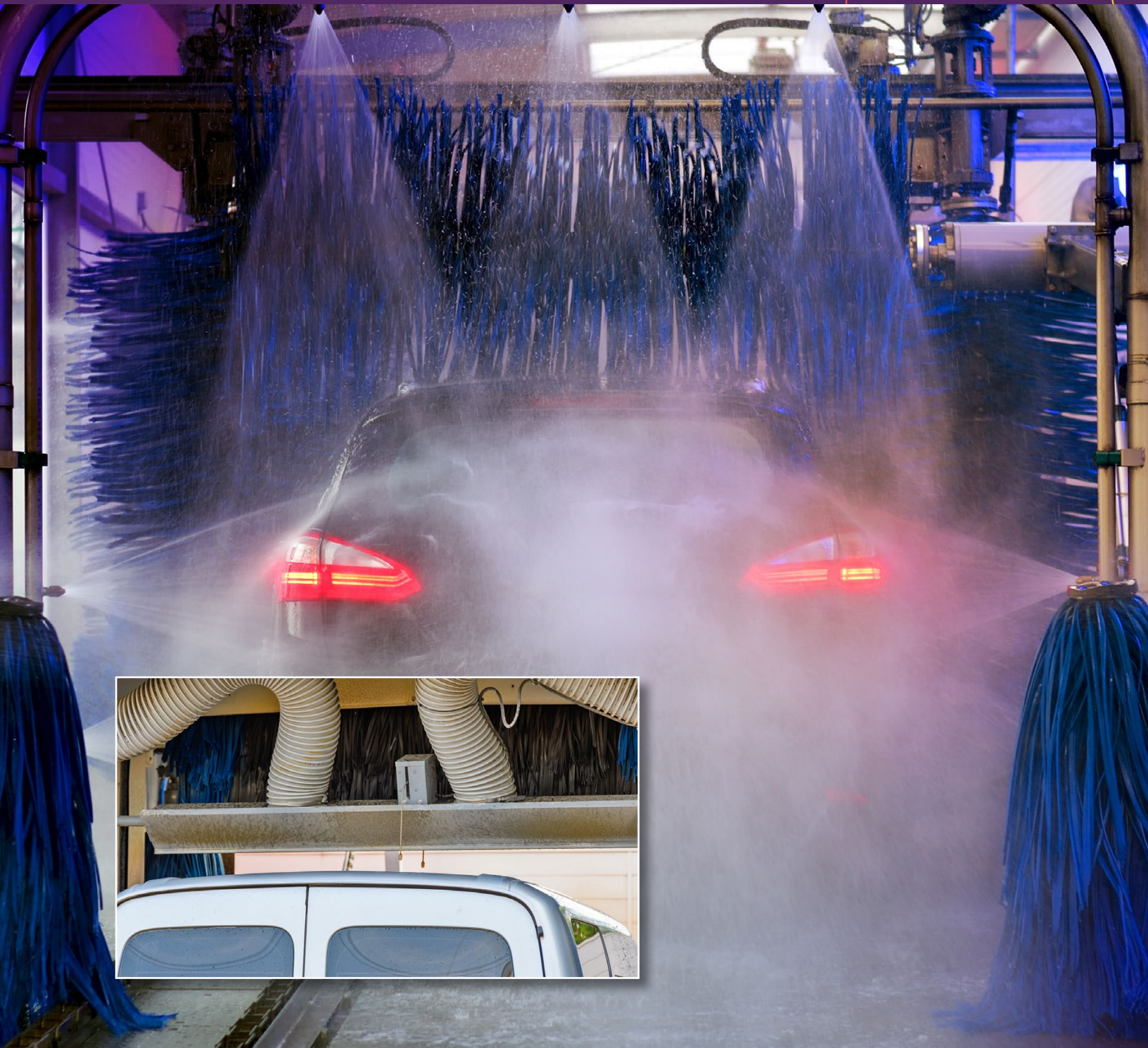
# Precision Control in the Car Wash Manufacturing Process

We understand the critical need for consistency and reliability in every aspect of car wash operations. That's why we offer a versatile range of products designed specifically to handle the challenges of the industry. Engineered for exceptional performance, our solutions deliver dependable operation even under the toughest conditions—managing dirt, water and chemical exposure, high-pressure sprays, and extreme temperatures with ease. Whether you run automatic or manual systems, you can trust our products to provide unmatched accuracy and durability, ensuring smooth operations and enhanced client satisfaction every time.

●● We provide products with high precision and outstanding performance, and we assist customers in developing future markets together based on comprehending their unique engineering and technical challenges. ●●



# Customized Solutions for Car Wash Automation Processes



Conveyor



In-Bay Automatic



Self-Service

- Bay Door Operation
- Roller up & Conveyor Tension
- Sprayer Positioning
- Curtain Movement
- Brush & Cleaner Positioning
- Blower Movement
- Soap Dispense
- Foam Application
- Water Reclamation
- Reverse Osmosis

Precise fluid & motion control are critical across the various types of car washes and their processes, and we have a wide product range to help.

# Solutions & Capabilities for the Car Wash Manufacturing Process

## Pneumatic Actuators

- IMI offers one of the industry's most comprehensive line of pneumatic actuators. From 5/16" to 12" bores, NFPA, ISO, round body, rodless, compacts, and many more.
- Choose from an assortment of construction materials.
- Made to order and custom applications with quick turnaround options.

→ Find out more [here](#)

### Original Line® Series

Non-repairable stainless steel body  
12 Bore Sizes from 5/16" - 3"



### Flat-1® Series

Round, compact cylinder  
9/16" - 4" bores  
single and double acting



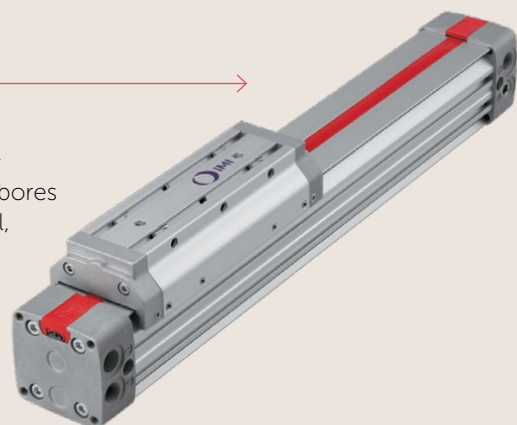
### TA Series Standard Aluminum

Aluminum body NFPA  
interchangeable  
1-1/2" - 12" bores



### Lintra® Plus

Rodless cylinder  
16mm - 80mm bores  
internal, external,  
roller carriage



## Fluid Control Valves

- A robust offering of highly configurable valves for the control of liquid, gas, air and vacuum.
- Media specific material options ensure long life even for the most demanding application regardless of pressure, temperature, or cycle requirements.

## Inline Valves

- IMI offers an extensive range of long lasting inline valves with flows up to 49 Cv.
- Choose from solenoid, air pilot or manual/mechanical valves.

## Valve Manifolds

- IMI offers a variety of valve manifold options that simplify installation, reduce system footprint, and improve reliability.
- Choose from sub-base, machined block, or multi-layered laminated manifolds.



### KIP Series

Highly configurable 2 and 3-way solenoid valves with pressures up to 1,200 psi

### IMI Buschjost Valves

Robust 2-way diaphragm, piston, and angle seat valve models



### V6x Series

Flexible and lightweight design with flows up to 2.6 Cv

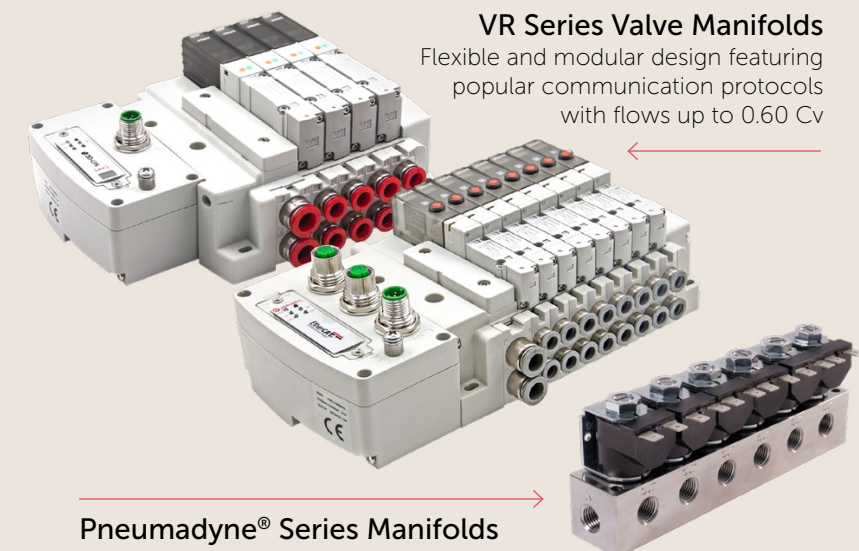
### Nugget Series

Robust design with a wide range of operators and flows up to 5.6 Cv



### VR Series Valve Manifolds

Flexible and modular design featuring popular communication protocols with flows up to 0.60 Cv



### Pneumadyne® Series Manifolds

Precision machined multi-station manifold with a wide range of material options available

## Air Preparation

- An extensive offering of air preparation solutions from 1/8" up to 2" port sizes to ensure optimal performance of pneumatic equipment
- Robust designs for long-lasting service even in tough environments.
- Simple, easy-to-install modular designs.

### Excelon® Plus Filter/Regulators

- A comprehensive air preparation solution
- High flow with best in class filtration (Particulate removal to ISO 8573 Class 6)
- Robust metal construction with modular or inline installation



### 07 Series

- Miniature design
- Highly configurable
- Direct ported 1/8" and 1/4" sizes



## Fittings

- Our range of fittings include push in, push on, and compression styles covering most industrial applications with a complete selection of shapes and sizes.
- Made from a wide range of materials including composite, brass, nickel plated brass, and stainless steel.

→ Find out more [here](#)



### Pneufit® Push-In Fittings

- Nickel plated brass body material
- 1/8" to 1/2" O/D tube
- Vacuum to 260psi pressure rating

### Pneufit® C Fittings

- Composite body material
- 1/8" to 1/2" O/D tube
- Vacuum to 150psi pressure rating



### Flow Controls

- Precisely control the speed of a downstream device



## Electric Actuators

Our electric motion range includes electric cylinders, linear axis and custom-built cartesian and gantry systems for multi axis applications. The wide range of drive, guide and profile options, with over 100,000,000 possible configurations, allows us to design and manufacture solutions that offer complete flexibility.

- Electric cylinders for applications that require high force and repeatable positioning, with options for operations in wet & dusty environments.
- Linear axis solutions for dynamic and long traverse path applications, with operations in harsh environments.



## Hydraulic Actuators

Our comprehensive hydraulic range covers low pressure, medium pressure and high-pressure linear actuators, many of which are in a similar style to their pneumatic counterparts. These are supported with a full range of sensors for position control as well as our standard accessories

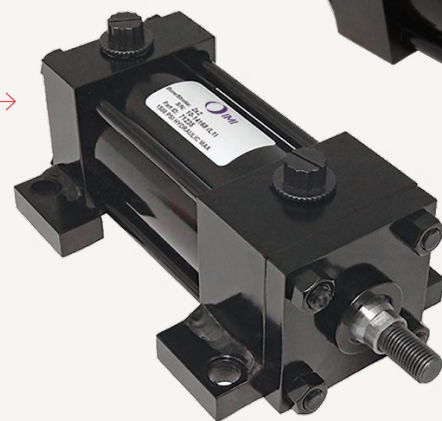
### High Pressure (HH Series)

NFPA tie-rod for up to 3000 PSI  
1-1/2" - 8" bores



### Medium Pressure (MH Series)

NFPA tie-rod for up to 1500 PSI  
1-1/2" - 8" bores



## Sensors

- Our sensor range includes electromechanical and electronic switches suitable for pneumatic and fluid applications.



### 34D

- -14.5...8702 psi in different pressure ranges
- Suitable for harsh industrial and process control environments
- High overpressure resistance
- UL-listed



### 18D

- -14.5...6,100psi
- Vibration resistant to 15 g
- Microswitch approved by UL and CSA

→ [Find out more here](#)

## Tomorrow's technology, engineered today.

We use the latest digital technologies in our automation products and constantly innovate in close partnership with our customers.

Across IMI you'll find breakthrough solutions you can count on. From improving speed, productivity, reliability, and efficiency of equipment to generating significant energy and cost savings, our solutions are designed to help customers pursue progress, achieve new goals and unlock sustainable business growth.

IMI operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, the Czech Republic, Germany, India, Mexico, Switzerland, the UK and the USA.

Supported by distributors worldwide.  
For further information, scan this QR code or visit  
[www.imiplc.com/industrial-automation](http://www.imiplc.com/industrial-automation)



## Industrial Automation

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