

CLEAN & GREEN

ENVIRONMENTALLY-FRIENDLY LARGE-VEHICLE WASH SYSTEMS





Westmatic is committed to manufacturing, installing and supporting large vehicle wash systems that feature superior engineering, reliability and performance. Our mission is to provide our customers with equipment comprised of the lowest life-cycle cost on the market today.

Westmatic is a manufacturer of automatic Large Vehicle Wash Systems which include environmentally-friendly bus wash, truck wash, and train wash equipment. Westmatic also specializes in waste water treatment with advanced water recycling and its world-renowned RENAREN advanced water purification system. Westmatic has installed and services over 3,000 wash bays worldwide.

Founded in Sweden in 1974, Westmatic's machines are designed and built to meet and exceed some of the strictest regulations in the world regarding the use of water and power resources. Our machines remain incredibly efficient, as we continue to embrace our Swedish roots and engineering in our American made systems. As a result, our equipment uses less water, chemical and electricity compared to other machines on the market today.

INDUSTRIES WE SERVE:

- Public Transportation
- Truck Fleets
- Trains / Rail
- Retail Wash Facilities
- Mining and Military






Westmatic


Westmatic

RELIABLE.
INNOVATIVE.
EARTH FRIENDLY.
LOW MAINTENANCE.

THE VIKING

Westmatic introduces the Viking – a revolutionary, modular designed and infinitely customizable wash system. The Viking is intelligent, incredibly durable and built to meet and exceed the toughest demands of fleet washing.

Our newest machine brings you the best of our large vehicle wash systems while giving you the ability to add components and expand to accommodate fleet growth and configurations. This machine can wash numerous vehicle types and can be configured as a rollover/gantry or as a drive-through machine.

The Viking can be designed and built to use a variety of brush configurations, touchless modes, or a combination of both. With the Viking, Westmatic introduces a machine that utilizes all variable frequency drive /soft start motors, ensuring the safest, most gentle friction cleaning in the industry.

STANDARD FEATURES:

- 2 or 3 Brush Configuration, Full-Density Polyethylene Material Filaments
- Overlapping Brush Movements for Thorough Front and Rear Cleaning
- Hot-Dipped Galvanized Framework
- LCD Touchscreen Wash Program Selector
- On-Board Digital Maintenance Manual
- On-Board Programming
- Maintenance-Free Straps (No Chains)
- Molded Lockable Front Access Doors
- On-Board Detergent Storage
- Variable Frequency Drive Motors | Soft Start
- Mirror Protection Programming
- Bicycle Rack Protection Programming
- Advanced PLC Controls
- Automatic Vehicle Sizing and Contouring System
- Ethernet or Wi-Fi Enabled Remote Diagnostics

EQUIPMENT OPTIONS | UPGRADES:

- 4 Brush, 5 Brush, 6 Brush or 7 Brush Configurations
- Drive-Through Adaption Package
- Over-Head Crane Rail Drive
- Pre-Soak Arch (Multiple Steps)
- High-Pressure /Touchless Mode
- High-Speed Rotating Nozzles
- High-Pressure Chassis Wash
- High-Pressure Wheel Wash
- Water Recycling
- Water Purification
- Spot-Free Rinse | Reverse Osmosis System
- Water Softening
- Rinse Agent | Wax Applications
- Dryer System
- RFID Fleet Monitoring
- Manual Detail Wands, Pressure Washers
- Stainless Steel Framework



**BUILT TO MEET AND EXCEED THE
TOUGHEST DEMANDS OF FLEET WASHING.**

Brush Rollover/Gantry Vehicle Wash Systems for Buses & Trucks

SCHOOL BUSES, TRANSIT BUSES, MOTORCOACH, TRACTOR-TRAILERS, STRAIGHT TRUCKS, HEAVY EQUIPMENT

Westmatic's state-of-the-art Rollover Large Vehicle Wash Systems are ideal for lower volume fleets that have a less demanding wash schedule. The machine is designed for public or private fleets where our brushes can safely and effectively clean vehicles of various shapes and sizes. We offer two brush rollover models – the Multiwash and the Heavy-Duty Combination.

Our rollover/gantry system thoroughly washes the vehicle using a top brush and two vertical overlapping side brushes. The brushes intelligently wash around mirrors and other vehicle protrusions.

The **Multiwash** is available in a 2 or 3 brush configuration, and is capable of washing in a brush mode only.

The **Heavy-Duty Combination** features a 3 brush configuration, pre-soak chemical arch, and a high-pressure /touchless mode

STANDARD FEATURES:

- 2 or 3-Brush Configuration, Full-Density Polyethylene Material Filaments
- Overlapping Brush Movements for Thorough Front and Rear Cleaning
- Hot-Dipped Galvanized Framework
- LCD Touchscreen Wash Program Selector
- On-Board Digital Maintenance Manual
- On-Board Programming
- Maintenance-Free Straps (No Chains)
- Variable Frequency Drive Motors | Soft Start
- Mirror Protection Programming
- Bicycle Rack Protection Programming
- Advanced PLC Controls
- Automatic Vehicle Sizing and Contouring System
- Ethernet or Wi-Fi Enabled Remote Diagnostics

EQUIPMENT OPTIONS | UPGRADES:

- Drive-Through Adaption Package
- Over-Head Crane Rail Drive
- Pre-Soak Arch (Multiple Steps)
- High-Pressure/Touchless Mode
- High-Speed Rotating Nozzles
- High-Pressure Chassis Wash
- High-Pressure Wheel Wash
- Water Recycling
- Water Purification
- Spot-Free Rinse | Reverse Osmosis System
- Water Softening
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Brush Drive-Through Vehicle Wash Systems

HIGH PERFORMANCE IN A COMPACT DESIGN

Westmatic's state-of-the-art drive-through large vehicle wash systems combine an ultra-compact design and a revolutionary operational concept. The quality of the front and rear wash does not depend on the speed of the vehicle. Instead, our system brings the brushes to the vehicle, versus bringing the vehicle to the brushes. While momentarily stopped, the front and rear are completely cleaned using our industry exclusive overlapping brush movements. These systems are equipped with the latest PLC technology, incorporating highly advanced programming and electronics. All aspects of the wash process are constantly monitored and adjusted, providing the safest, most efficient and thorough wash result in the industry today.

Our drive-through machines are simple to maintain and operate, requiring less than 30 minutes of preventative maintenance and mechanical adjustments per month.

Westmatic's line of Drive-Through Wash Systems feature the following configurations:

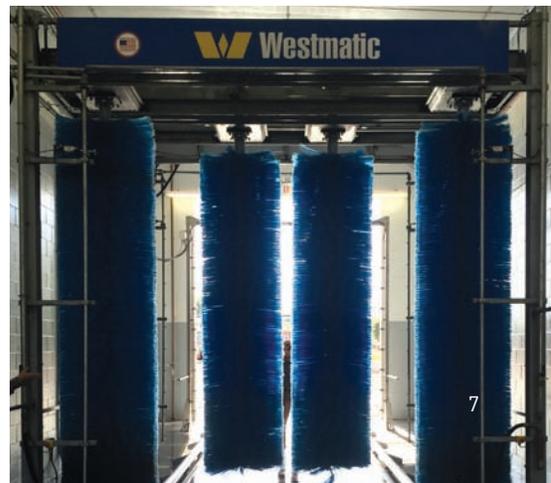
- 2 or 4-Brush "COMPACT" Model
- 4 or 6-Brush "Transit-Master" | Specially Designed for Buses with Front Mounted Bicycle Racks
- 2-Brush "HYBRID" | Equipped with Self-Adjusting, Robotic High-Pressure Spray Arches

STANDARD FEATURES:

- Overlapping Brush Movements for Thorough Front and Rear Cleaning
- Hot-Dipped Galvanized Framework
- LCD Touchscreen Wash Program Selector
- On-Board Digital Maintenance Manual
- On-Board Programming
- Maintenance-Free Belts (No Chains)
- Variable Frequency Drive Motors | Soft Start
- Mirror Protection Programming
- Bicycle Rack Protection Programming
- Advanced PLC Controls
- Automatic Vehicle Sizing and Contouring System
- Ethernet or Wi-Fi Enabled Remote Diagnostics

EQUIPMENT OPTIONS | UPGRADES:

- Pre-Soak Arch (Multiple Steps)
- High-Speed Rotating Nozzles
- High-Pressure Chassis Wash
- High-Pressure Wheel Wash
- Water Recycling
- Water Purification
- Spot-Free Rinse | Reverse Osmosis System
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Touchless Drive-Through and Touchless Rollover

PUBLIC WORKS, DPWS, TANKER TRUCKS, MINING EQUIPMENT, GARBAGE TRUCKS & MORE

Touchless Drive-Through Vehicle Wash System

Westmatic's touchless drive-through is designed for large vehicles such as military vehicles, heavy equipment, garbage trucks, tanker trucks, mining equipment and other large, irregular shaped vehicles.

This machine utilizes self-adjusting, robotic high-pressure spray arches to provide a consistent, brilliant wash result. The robotic arches move into the center of the wash bay, washing the front and rear with an overlapping movement. The arches wash down the sides of the vehicle with pivoting nozzles. This is one of very few touchless systems capable of self-adjusting to different widths and irregularities of heavy vehicles and equipment.

Touchless Rollover Wash System

Ideal for large vehicles such as military vehicles, heavy equipment, garbage trucks, tanker trucks, mining equipment and other large, irregular shaped vehicles. The Westmatic Touchless Rollover is best described as a "pull in and park" style wash. Ideal for smaller fleets that don't have a demanding vehicle wash schedule, the driver enters the wash bay and parks the vehicle. The system moves over the vehicle, washing it thoroughly.

This machine utilizes three self-adjusting, robotic high-pressure spray arches. One horizontal top arch, and two vertical side arches. The touchless rollover also self-adjusts to accommodate different widths and irregularities of large equipment.

STANDARD FEATURES:

- Self-Adjusting, Robotic High-Pressure Spray Arches
- Hot-Dipped Galvanized Framework
- LCD Touchscreen Wash Program Selector
- On-Board Digital Maintenance Manual
- On-Board Programming
- Maintenance-Free Belts (No Chains)
- Variable Frequency Drive Motors | Soft Start
- Mirror Protection Programming
- Advanced PLC Controls
- Automatic Vehicle Sizing and Contouring System
- Ethernet or Wi-Fi Enabled Remote Diagnostics

EQUIPMENT OPTIONS | UPGRADES:

- Drive-Through Adaption Package
- Over-Head Crane Rail Drive
- Pre-Soak Arch (Multiple Steps)
- High-Speed Rotating Nozzles
- High-Pressure Chassis Wash
- High-Pressure Wheel Wash
- Water Recycling
- Water Purification
- Spot-Free Rinse | Reverse Osmosis System
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- RFID Fleet Monitoring
- Manual Detail Wands, Pressure Washers



Train Wash Systems

Facility and maintenance managers for all types of rail systems will find a Westmatic train wash system makes short work of rail car cleaning. Class 1 freight, short line, regional or passenger, Westmatic systems provide the kind of high-quality clean you need to keep your fleet performing at its best.

With over 40 years' experience cleaning railway vehicles worldwide, Westmatic is proud to offer customizable train wash solutions right here in the U.S., based on your fleet size, configuration, and wash schedule demands.

Our train wash systems are comprised of modularly designed operating functions and are available in drive-through models, gantry models, or combination hybrid models. Systems are available in a brush configuration, touchless, or a combination of both.

Twin Line Train Wash System

This highly advanced system detects the shape of the vehicle and automatically adapts accordingly. In one smooth motion the front, roof, and rear of the train are washed quickly and efficiently, with uncompromising wash results. The Twin Line is equipped with a two-piece roof brush that can be tilted forwards or backwards 180 degrees. This provides the opportunity to create a wash bay where drive-through washing can be performed bi-directionally. Logistics are simplified and the train wash cycle is further reduced.

STANDARD FEATURES:

- Side Brushes, Eaves Brushes, Side Skirt Brushes
- Overlapping Brush Movements for Thorough Front and Rear Cleaning
- Hot-Dipped Galvanized Framework
- LCD Touchscreen Wash Program Selector
- On-Board Digital Maintenance Manual
- On-Board Programming
- Maintenance-Free Belts (No Chains)
- Variable Frequency Drive Motors | Soft Start
- Mirror Protection Programming
- Advanced PLC Controls
- Automatic Vehicle Sizing and Contouring System
- Ethernet or Wi-Fi Enabled Remote Diagnostics

EQUIPMENT OPTIONS | UPGRADES:

- Pre-Soak Arch (Multiple Steps)
- High-Pressure /Touchless Mode
- High-Speed Rotating Nozzles
- High-Pressure Chassis Wash
- High-Pressure Wheel Wash
- Water Recycling
- Water Purification
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Environmentally Friendly Water Recycling Solutions

Advanced Water Recycling

Water recycling and re-use is environmentally and fiscally beneficial. Water recycling has become an increasingly important component of any modern vehicle wash system. Westmatic's proven water reclamation systems utilize cyclonic separation to achieve water quality of 10 microns. Odor control is achieved by use of ozone injection, which safely and effectively eliminates any odor-causing bacteria. Ozone injection also accelerates solids precipitation. This process enables water reclamation of up to 85%, drastically reducing sewer impact fees as well as monthly water bills.

The recycling system uses stainless steel hydro cyclones for mechanical purification. This fully automatic system, controlled by level regulators, requires minimum maintenance. The water recycling system is manufactured with capacities from 40-300 gallons/minute depending on the size of the system. There are no chemicals or other additives utilized—only ozone—which is strongly oxidizing, and has the advantage of not reacting to many other matter. The ozone decomposes other molecules, organic matters, and several different metals and other pollutants which affect water quality.

RENAREN | Advanced Water Purification

In applications where water must be purified prior to being discharged into a sewage system, Westmatic's RENAREN water purification system is the answer. Water that is not recycled passes through the oil/water separator and into the RENAREN. The water purification method is based on electro flocculation, which is a combination of electro flotation and electro precipitation. No chemical supplements whatsoever are needed during the whole purification process. RENAREN is so effective that it can reach a purification level of 99%. After having gone through the RENAREN, waste water can then proceed out into the sewage system.

RENAREN has proved to be useful in many lines of business where purification of oil-mixed water can occur. It is patent protected and has been DNV certified for ship installations.



Accessories

WESTMATIC OFFERS A VARIETY OF DIFFERENT ACCESSORIES FOR OUR BUS, TRUCK AND TRAIN WASH SYSTEMS.

The Westmatic **Chassis Wash** is an important accessory that you don't want to overlook when purchasing a large vehicle wash system. The chassis wash will remove any dirt, oil, or materials that build up under your vehicle, increasing your fuel efficiency.

Our **Wheel Wash** is designed with an optimized high-pressure spray pattern to clean the vehicle wheels, rims and rocker panels. The high-pressure pipe is made of galvanized steel and has a minimum of 12 stainless steel spray nozzles. The high-pressure pump is a multi-stage vertical stainless steel centrifugal type with a direct-drive, direct-start motor.

Westmatic's **Detail Wand Setup** is the most efficient way of manually washing your fleet. Rather than supplying a hose reel, Westmatic has developed an incredibly efficient trolley and festoon system. With Westmatic's setup, you will be able to walk the entire length of the wash bay without letting the hose touch the ground. By eliminating hoses on the ground, this will improve safety in the wash bay and reduce tripping hazards. Westmatic's detail wands are manufactured for distributing water, soap and de-greaser and are ergonomically designed.

The Westmatic **Vehicle Drying System** removes excess water from the vehicle after exiting the wash system. Our dryer system uses five producers, available in 50, 75 or 120hp. Designed for producing effective and cost efficient drying results and features a very low operating cost.

Parts and Service

To keep your system running smoothly, Westmatic's Parts and Service Department is focused on providing quick response. Wherever possible, service can be on the ground in your area quickly and key parts are stocked and available for shipment to prevent wash system downtime.





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