

AUTOMATIC
BUS WASH
SYSTEM







JETWASH

JetWash is a custom designed heavy-duty solution for Automatic Bus washing system developed based on three pillar-concepts.

1 Proven Mechanism

Suitable combination is made by choosing from various options, viz: Touchless Gantry type system, Automatic washing system with roll over brushes, & Semi- Automatic Bus Wash system customized for end user requirements.

2 Tylor-made combinations

Our Engineering team is capable to design & supply the modern equipment to cater special requirements of end user & operators' requirements. The field experience and engineering expertise of the team ensures optimized system design in a most economical and user-friendly manner. The strategies applied are according to available space & civil structure, water quality, need of limiting water and electricity consumption, number vehicle per day etc.

3 Long term feasibility

Major parts selected with minimum maintenance requirements by reducing wear & tear elements factors. The frequency of Periodic maintenance at site can be scheduled at minimum level for our unique designed heavy duty JetWash systems.

Multi-step Approach

JetWash offers a Multi-Step Bus Washing System by all or some of the below major units

- 1 Automatic Shampooing
- 2 Automatic Roller Brushes
- 3 Automatic / semi automatic Pressure Wash
- 4 Automatic Drying
- 5 Water recycling





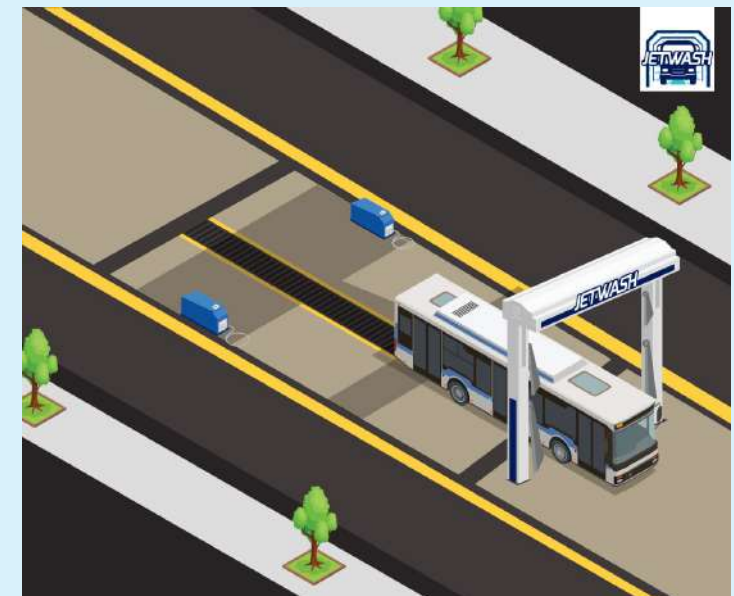
Drive Through Automatic Washing Unit

- Drive through automatic water jet washing station, with specially designed high pressure wash method to remove heavy dirt & mud removal from top & side surface.
- Stationary Gantry with Splash proof design
- Guiding Signals
- Galvanized steel structure.
- High quality corrosion resistant design
- High pressure pumps with major parts in Stainless Steel
- Power rating : Approx. - 15 KW to 22 KW / 400 V/ 50 Hz
- Dimensions : Customized design as per site requirement and space availability with a minimum of approx. W = 3.2 m , H = 3.8 m.



Drive Through Automatic Drying Unit

- Totally safe touch free gantry type of dryer having 2-3 fans fitted to the structure, for drying the sides and top drying.
- Blowers start automatically /manually based on customer requirement forcing air at high velocity through the delivery vents.
- Approx. capacity 2-4 KW / 400 V /50 Hz
- No lengthier manual drying of your vehicles.
- Drying of bus can be completed within a span of seconds. Our Air Drying System gives the best shine to your vehicle after the washing cycle.
- The system comprises of powerful blowers. Robust housing design



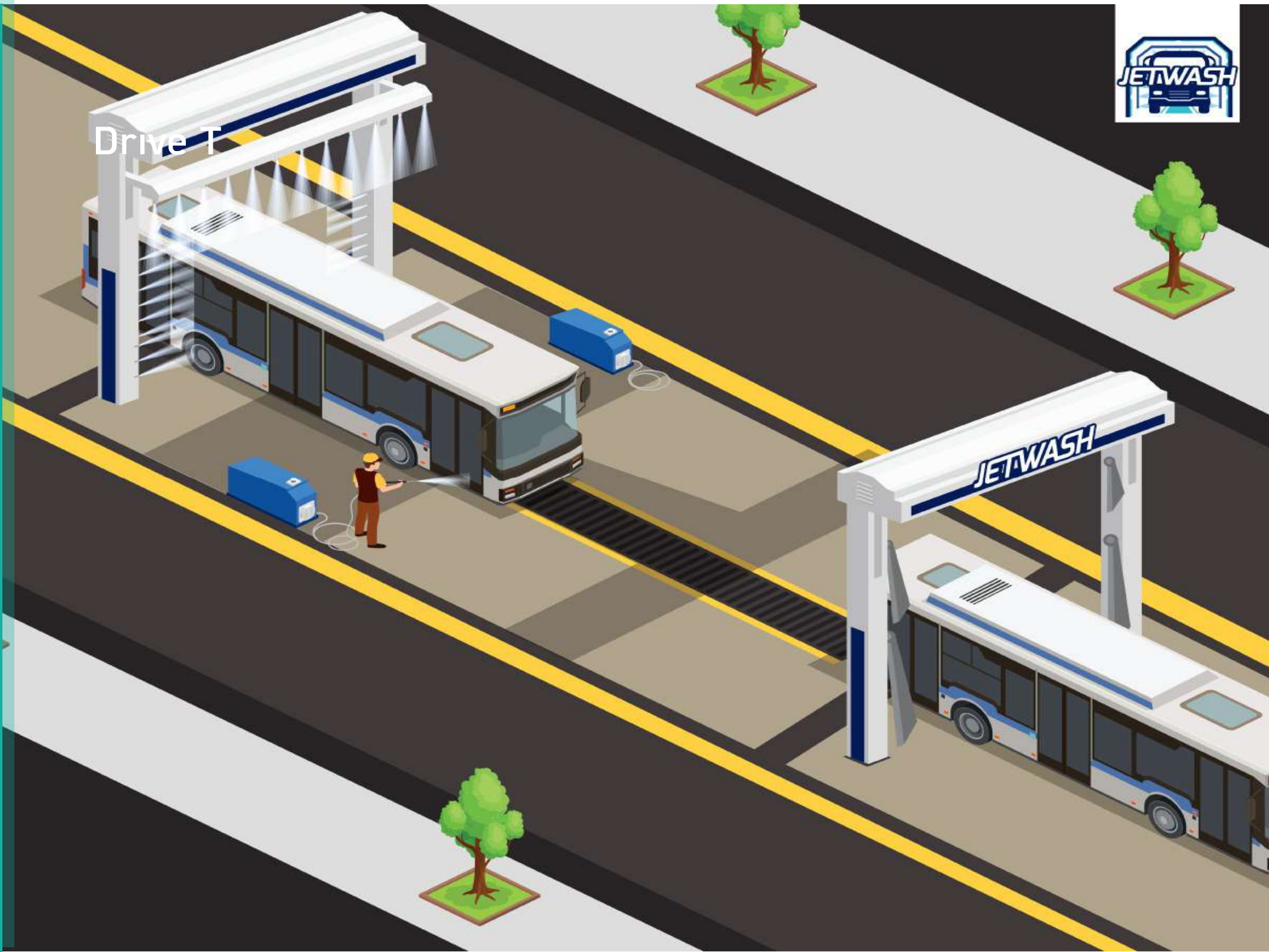
Automatic Washing System With Brushes

- Roll-over brushes (3 Brushes)
- Overlapping vertical brushes Contour following
- Horizontal brush
- Splash Guards
- Galvanized steel structure.
- High quality nozzles
- Long lasting Aluminum Strut Pipe Brush Rollers
- Automatic Electronic Dosing Pump for liquid foam wash application.
- Indication lights for guidance & safety
- High reliability and superior cleaning results
- Minimal maintenance requirements.
- Dimensions of Gantry can be altered as per the Vehicle Dimensions





Drive T





Drive Through Semi Automatic Washing System

Drive Through Semi Automatic Washing System
JetWash Customized semi-automatic system allows our customer to define the requirements precisely by adding extra features.

In our standard Semi-Automatic Washing system we provide a drive through water jet washing gantry with specially designed high pressure nozzles controlled by sensors.

Additional manual wash guns provides an ideal solution for the touch up cleaning required before or after an Automatic Vehicle Wash as per vehicle's condition.

Semi-automatic system allows operator to choose the mandatory features required in the system and allowing to reduce advanced features which may not be required for specific usage of end user.

Drive through Automatic Drying gantry with powerful blowers is very helpful for quick finishing of bus washing process.

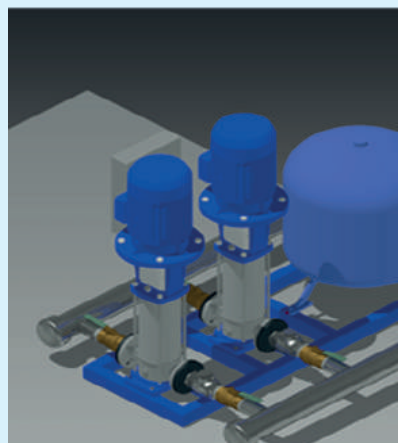
Any other additional special features from client can also be implemented based on technical evaluation.

	System Components	Standard
1	Touchless Pre-Wash unit with nozzles	✓
2	Drive through high pressure gantry	✓
3	Fixed nozzle / Spinner nozzle	Fixed
4	Foam spraying with dosing Pump	
5	Underbody Wash Unit	
6	High pressure wash System with rear side wash	
7	Manual Guns (QTY to be defined by customer)	✓
8	Additional Gantry for final rinse	
9	Separate Manual Starter box for each system	
10	Sensor Post for Vehicle detection	✓
11.	Drive through Automatic Drying Gantry	✓



Key System Features

- Automatic Vehicle Length Sensing
- Optimum Energy & water consumption
- Fast & effective cleaning
- Easy for operation
- Easy for maintenance
- Special Program to handle front extended side-view mirrors
- Easy washing of roof AC filters in touchless system & brush system
- Dedicated control with high quality sensors
- Special nozzle design for clog free operation
- Nozzle designed for maximum overlapping for high cleaning efficiency
- Added safety with Residual Current Circuit Breaker to sense current leakage
- High efficiency equipment
- Design with Centrifugal pumps to reducing the wear & tear and minimum maintenance.
- Designed for regional climate conditions.
- Suitable for high ambient temperature.
- High quality hose & nozzle to ensure maximum safety and reliability.
- Designated hose & nozzle holding stands to ensure maximum safety while vehicle move through the bay.
- Ensure an extra attention for cleaning front and rear end of vehicle.
- Power wash with simple control system ensures durability.

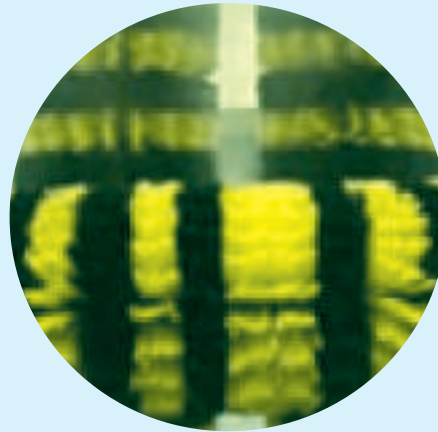


Design Features



Wash System with soft brushes

Motorized vertical brushes and Horizontal Polyethylene brushes give greater flexibility and enhances wash quality.



Shampoo

- Shampoo nozzles at ideal locations
- Precisely controlled Shampoo Dosing

Splash Guard



Structure & Design

- Robust and Rugged Design
- Corrosion resistant Hot di galvanized material

Horizontal & Vertical brush lifting mechanism

- Safe design to hold brushes in all cases
- Power electronic control
- Overlapping Vertical Brushes, guaranteeing a quality wash

Add-on steps



1. Pressure Gun with hose for manual wash

- High pressure water Guns for manual wash.
- Higher pressure line connection with Gantry system or separate pumps based on customer requirement and number of guns .
- High quality hose & nozzle to ensure maximum safety and reliability. Designated hose & nozzle holding stands to ensure maximum safety while vehicle move through the bay.



2. Under Chassis Wash Unit

- This washing system consists of Hot Dip Galvanized Platform with SS pipe with Nozzles.

3. Wheel Wash Unit for drive through system

- High pressure washing system consists with Nozzles to clean the wheels and downside parts of the vehicle

4. Water Recycling Plant

- Eco-Friendly solution and overcome water scarcity situation, we have a one stop easy to operate Water Recycling Solution.
- Our Water Recycling System not only helps to save water but it also helps to reduce your cost of operation by reusing water.



Technical Specifications*

PARAMETER	UNIT	Jet Wash BWS1	Jet Wash BWS2
Type	-	Roll-over Gantry	Roll-over Gantry
Application	-	Bus Wash	Bus Wash
Operating Temperature	oc	5 - 50	5 - 50
Max washable length	mm	14000 mm approx.	14000 mm approx.
Max washable width	mm	3200 mm approx.	2900 mm approx.
Max washable height	mm	4000 (13 ft) approx.	4000 (13 ft) approx.
No. of Brushes	Nos	3 (1 Horizontal & 2 Vertical)	2 (Vertical)
Water pump operating pressure	bar	1.5 - 2	1.5 - 2
Top, Side, Front & Rear Wash	-	Top: Horizontal Brush Side, Front & Rear Vertical Brushes	Top: High pressure Fixed/ Nozzles (optional) Side, Front & Rear: Vertical Brushes
Overlapping Brushes	-	Yes	Yes
Control system	-	Yes	Yes
Pump dry run protection	-	Yes	Yes
Input Voltage	v	3 Phase, 50 Hz, 415 V	3 Phase, 50 Hz, 415 V
Max Operational load	kW	4.45- 22 KW	4.45- 15 KW
Material of Construction	-	Hot dip galvanized steel & SS	Hot dip galvanized steel & SS
Overall machine dimensions (LBH)	mm	TBA	TBA

* Technical details are subject change based on final detailed engineering
Actual product may differ from picture shown for illustration



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