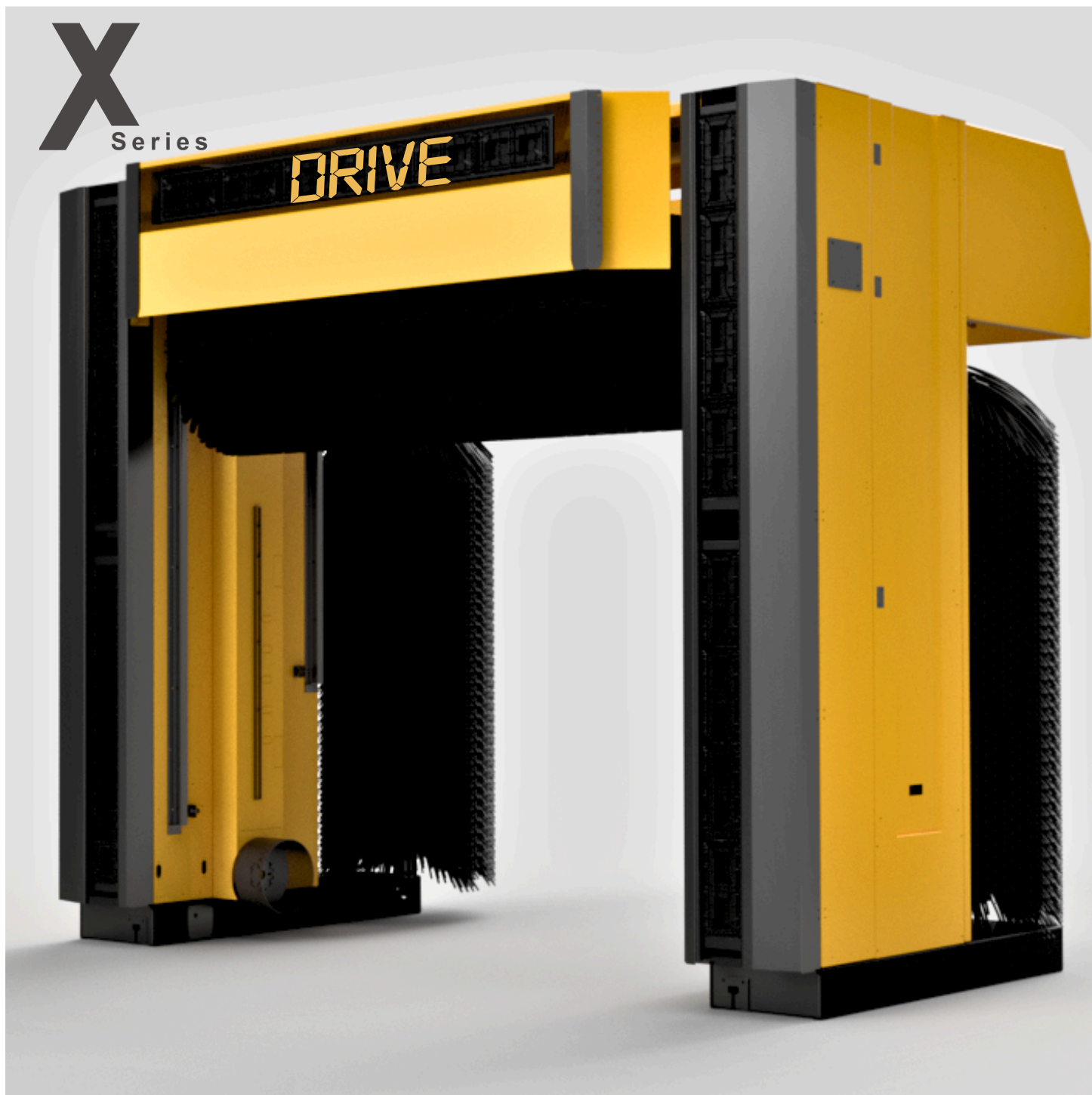


X
Series



Automatic Car Wash System
In bay Automatics
Rollover / Trolley type
Three Brush Type
Gantry Type

KKE
www.kkewash.com

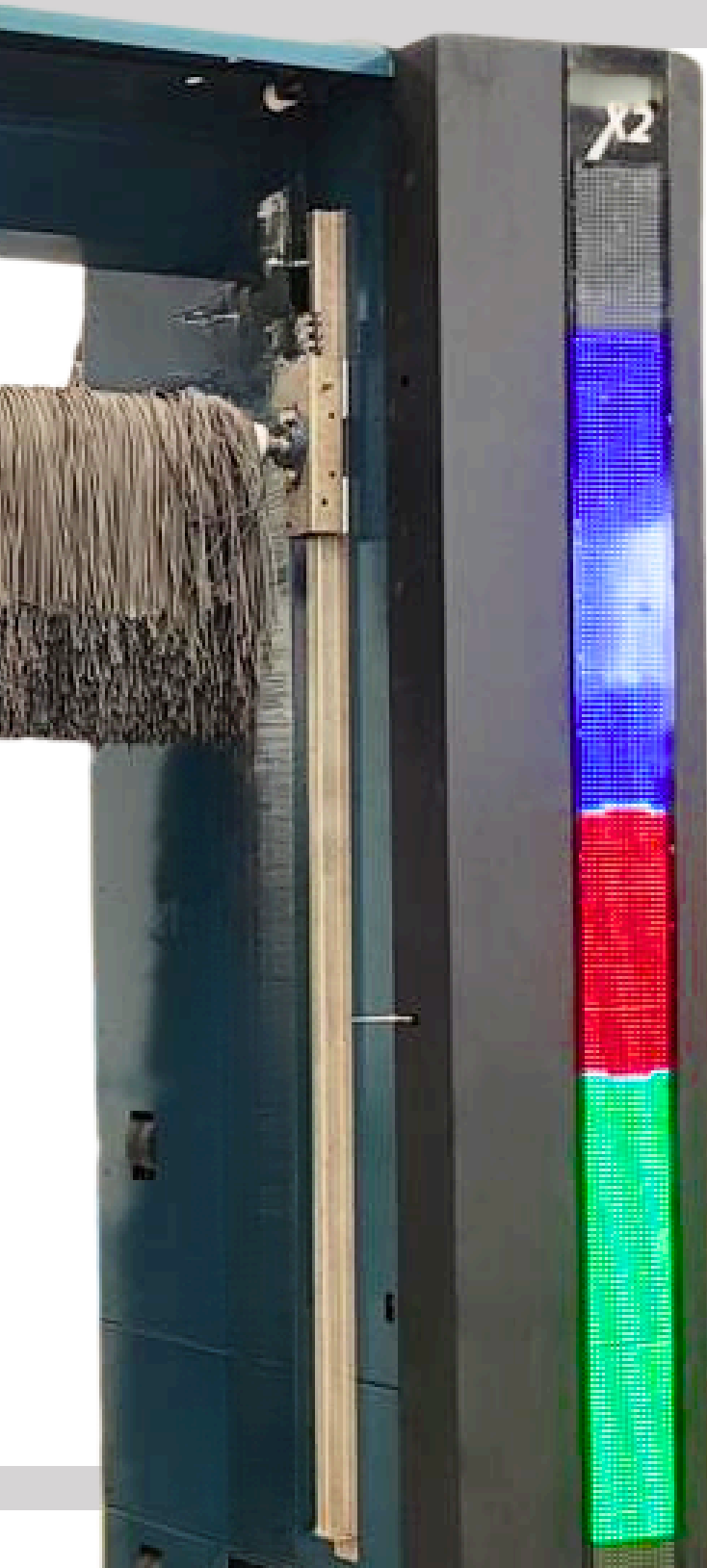


About KKE Wash Systems

When you choose KKE, you choose the best technology in the vehicle washing industry. As a market leader, KKE provides complete range of Car Care tools like Automatic Car Wash Systems - Conveyor , In bay ; High Pressure Cleaners, Interior Cleaner, Car Care Chemicals.

All KKE products are as a result of extensive Research and Development to bring you the best washing technology which is cost effective, reliable and easy to use. Special care is taken to choose the highest quality parts to ensure reliable working at your end.

We are proud to inform you that KKE is the only company in the world to have developed washing technology for washing right from two wheelers up to Mining Trucks.



XSeries : Automatic Rollover Car Wash Machines

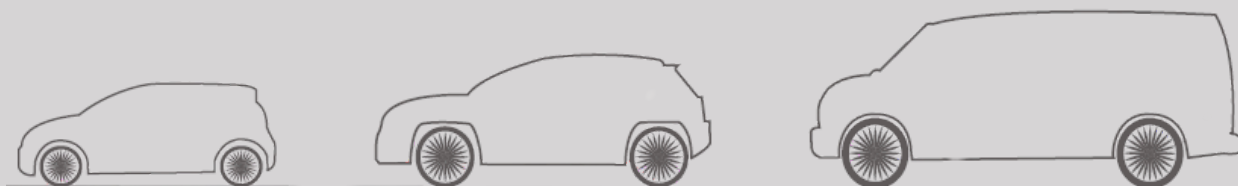
KKE Wave is a state-of-the-art touchless automatic car wash system, designed with the most robust technologies. Utilizing high-pressure cleaning, also known as touchless technology, the system ensures a spotless wash without direct contact with the vehicle. Only high-pressure water and a sequence of cleaning agents are used to achieve a thorough clean.

Features at a Glance

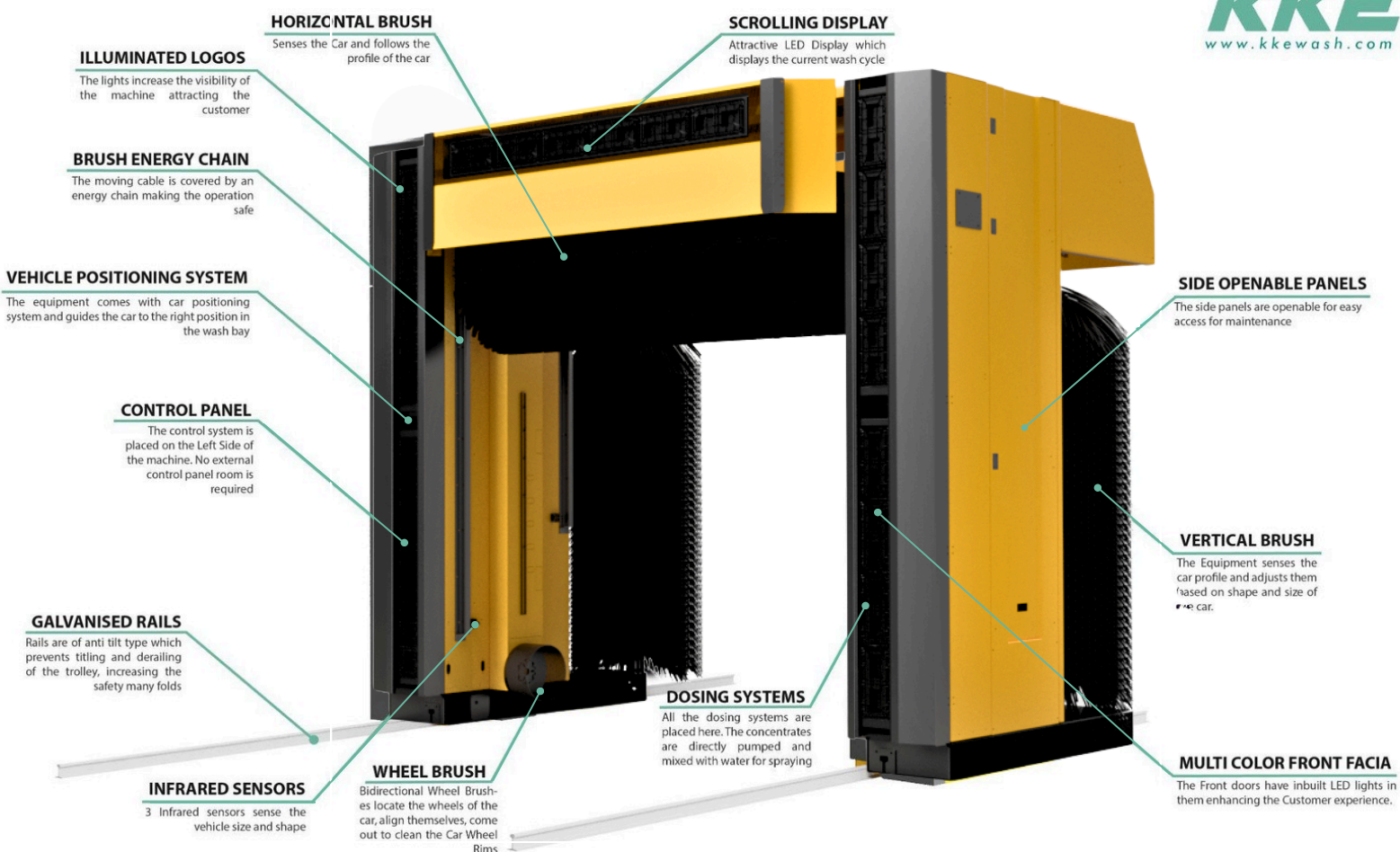
- 1 Tilting Brushes
- 2 Onboard Control System
- 3 Rust Resistant Galvanised Sheet Structure
- 4 Easy Payment Systems Integration
- 5 Standard Parts and Components

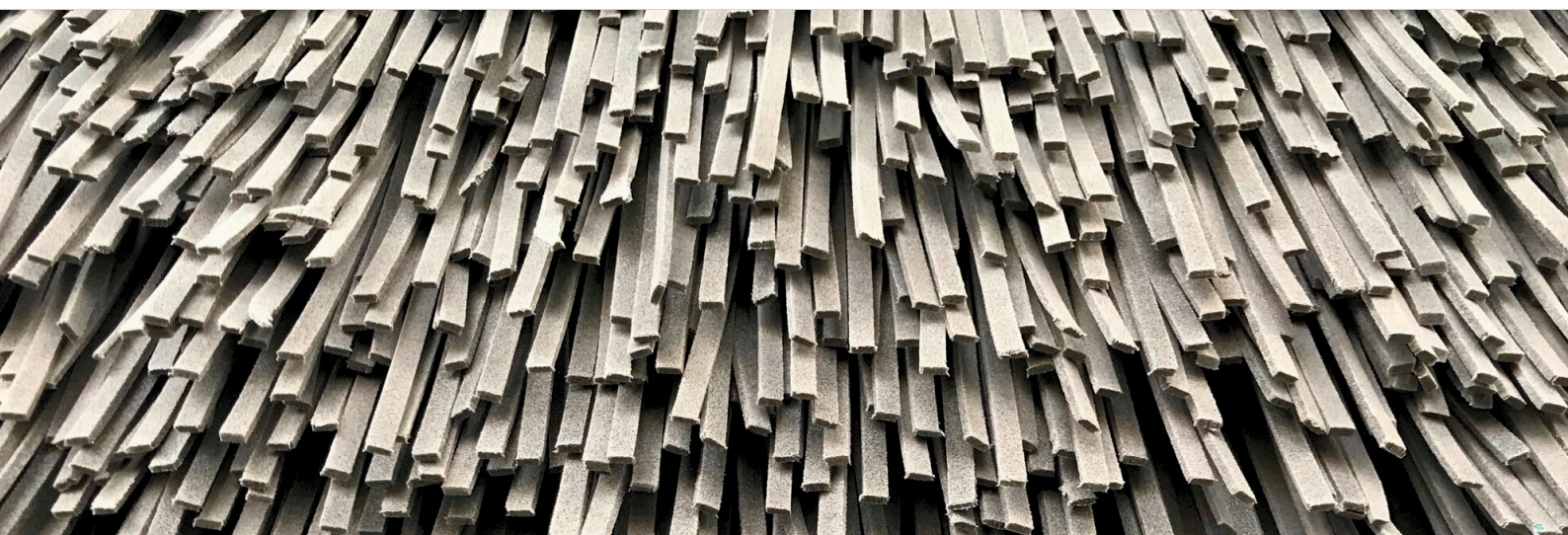


Standard X Series Equipment can wash upto 2300mm height vehicle
The washable heights can also be increased to 2500mm & 3000mm (Optional add-on)



KKE
www.kkewash.com



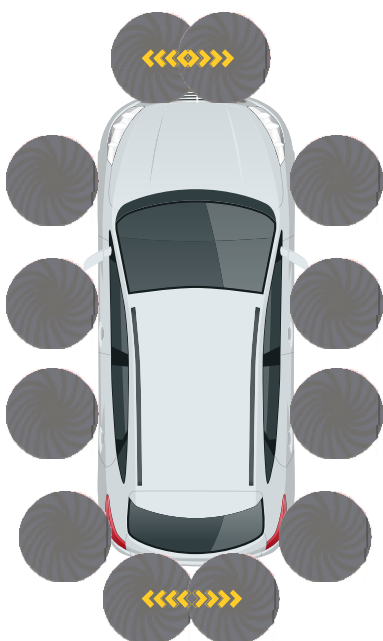


Titling Brushes

The efficient Pneumatic Tilting system tilts the brushes while washing the sides of the car, effectively covering the top and bottom ends.

Vertical Brush Crossover

The vertical brushes clean the front and the rear of the car. The vertical brushes also overlap in the front and the rear for better cleaning.



Brush Directions

The rotation directions of the all the three brushes are changes during the wash cycles for better cleaning.





Advanced Chemical system

Durable stainless steel system with precise dosing for soap, wax, triple foam, low pH, high pH, and drying agent (optional add ons)

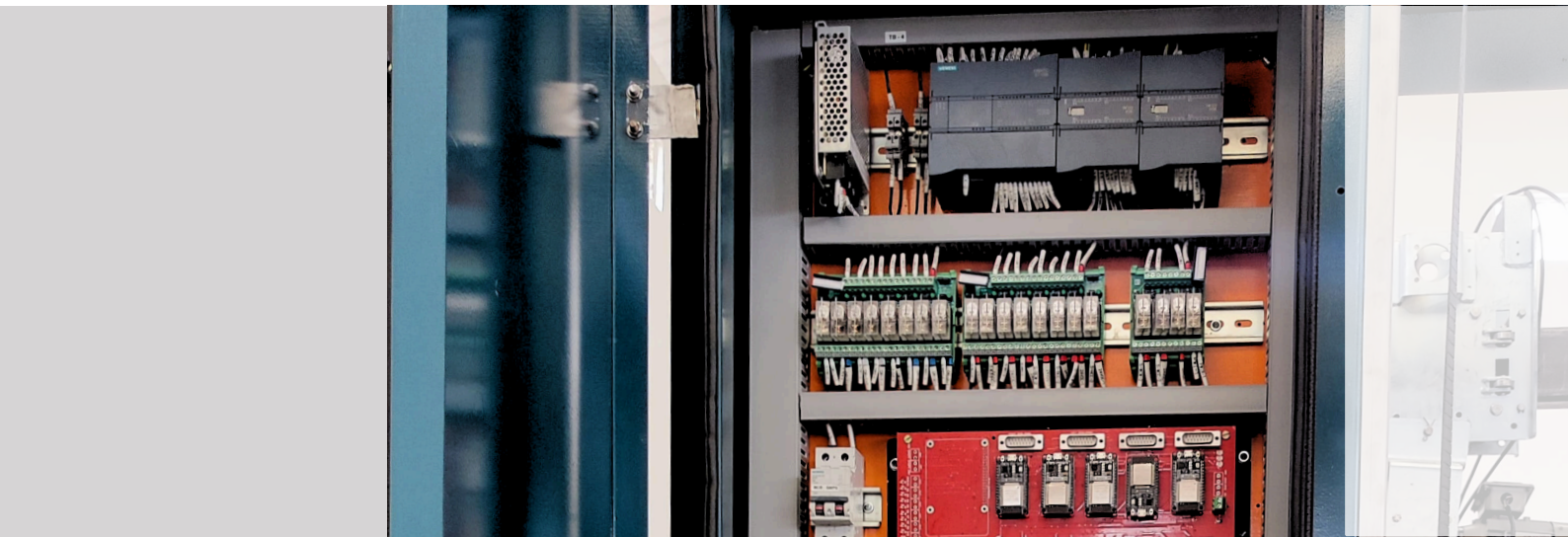
Rinse System

Efficient Rust Free Nozzles to use optimum amount of water.

Soap System

Introducing the 2 Step Soap System, which uses a dual pH approach for efficient cleaning. It features a low pH solution to break down grime and a high pH formula for thorough cleansing and sanitization. The system includes an efficient dosing mechanism for precise application and rust-resistant nozzles for durability in tough environments, making it an ideal solution for all cleaning needs.



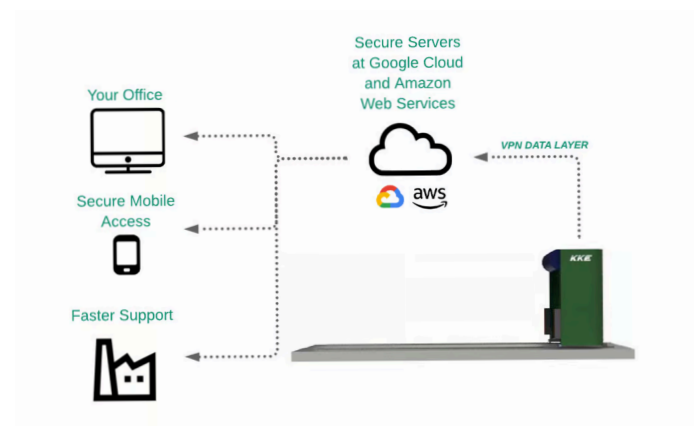


Payment Systems Ready

Self Payment Terminals can be integrated with ease with The Wave Equipment. System Ready, Process ON and program selection parts come prebuilt with the equipment for easy integration with any payment gate way.

IOT Interface

Remote monitoring, operation as well as support management with the IOT Interface gives the freedom to manage from across the globe



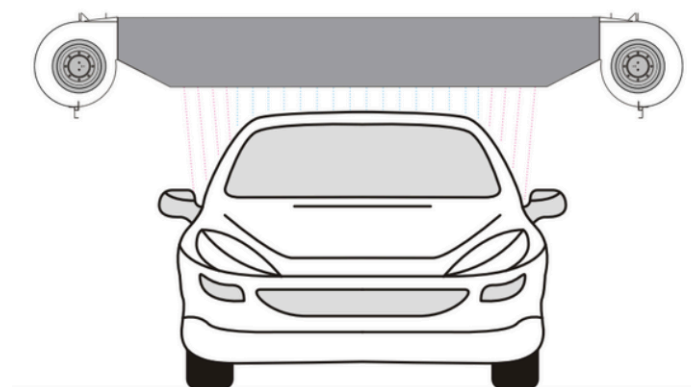
Blowers

Contour Following Blowers - Onboard

We have set of two blowers which follow the contour of the car and two fixed side blowers

Exit Side Blowers

We have set of two blowers which follow the contour of the car and two fixed side blowers



Wheel Wash System

350 mm stroke length wheel wash system along with German Engineered Maintenance Free Slider System. Optional Wheel Wash System with inbuilt nozzle system also available.





Triple Foam

Customers love its vibrant colors and refreshing scent, making it a premium add-on for wash packages.

Other Advanced Chemical system

Lava Foam

Attract your customers with lava looking soap. The Lava foam add on will give a fascinating experience to the customer while watching their vehicle getting washed.

Sealer Wax

Give your Customers the luxury to get their cars wax sprayed for enhanced shine. The sealer wax additionally to the shine, provides a protection to the car surface which can be an attractive feature for the customers to select during car wash.

Low pH & High pH

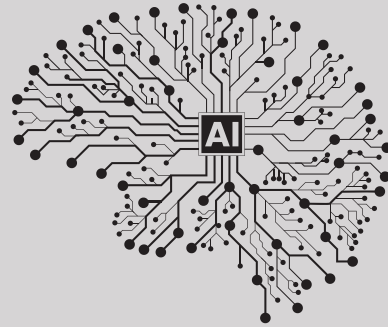
This optional soap spray system sprays soap with low pH and followed by a high pH soap for effective cleaning of mud, oil stains.



Control System

Control System has been one of the strongest point in all KKE machines. The robust components for vehicle positioning, sensing, brush pressure sensing. All high tech devices proven and tested over years and years gives you the confidence of trouble free operations. The X2 and X4 Equipment have inbuilt web server and allows you to access your machine from a remote location through internet.

The X Series Equipment are so advanced that the machine is capable of making its own decisions based on the shape and size of the vehicle.



Touch Screen Interface

Touch screen panel for convenient configuration, operation and testing

PLC Controller

The KKE Wave features a high-tech computer integrated directly into the machine. This control system continuously gathers feedback from various sensors to assess the vehicle's shape and size while executing different wash cycles.

Attractive LED Facia

Attractive Facia helps attracting more customers. Wave facias are made of rugged material and do not crack or fade over time.

Vehicle Positioning System

KKE Wave equipment have large LED Displays helping your customers to easily identify the instructions and follow them.





Under Chassis Wash

Entry Point Under Chassis Wash

This Under chassis wash cleans the under chassis of the car while it enters into the wash bay. The car is detected with help of a sensor which switch on the system.

Trolley Mounted Under Chassis Wash (ICMO)

ICMO is Trolley based Under Chassis Wash System which runs below the car. The System has Soap and High Pressure Rinse Cycles.



Optional Colour Add on



Red RAL 3028



Blue RAL 5015



Orange RAL 2003



Green RAL 6037



Yellow RAL 1028



Grey RAL 7045



White RAL 9016



Metallic Grey RAL 9007

	X1.1	X2	X4
Duration			
Washable Dimentions :			
Length, Width, Height (mm)	6000, 2100, 2300	6000, 2100, 2300	6000, 2100, 2300
Trolley : Length, Width, Height (mm)	1650, 3700, 3450	1800, 3700, 3200	
Recommended Bay Size			
Length, Width, Height (mm)		11000, 5000, 4000	
Clear Minimum Bay			
Length, Width, Height (mm)		10500, 4200, 3400	
*Client should use safety switches to avoid potential hazard.			
*Clear Minimum Bay does not include the safety clearance required as per CE regulation.			
*Clear Minimum Bay does not includepump installation space of 5 sq.m of minium 1600 mm length and 600 mm width.			
Rail Length (mm)	10000	10000	12000
Rail Spacing (mm)	2918	2918	2918
Weight	Approx 1200 - 2000 kg	Approx 1200 - 2000 kg	Approx 1200 - 2000 kg
Weight of equipment depends upon the optional addons selected. Consult KKE personel if you need exact loading diagram as per you site.			
Electricity			
Voltage	3 Phase, 415 V AC, ±5V		
Frequency (Hertz)	50 Hz / 60 Hz		
Connected Load kW	<6		
Air Pressure	6 - 8 bar		
Water Supply	100 lpm at 2 - 3 bar		
Low Pressure Prewash	✓	✓	-
High Pressure Prewash	-	Optional	✓
Bug Spray	-	Optional	✓
Mirror Spray	-	Optional	✓
Foaming Soap Spray	Foaming Soap	Foaming Soap	Foaming Soap
Tire Spray	-	✓	✓
Low pH / High pH Soap System	-	Optional	Optional
Vertical Brush Systems With Pneumatic Tilting	✓	✓	✓
Vertical Brush Pressure Sensing		Power Monitoring System	
Horizontal Brush Pressure Sensing		Power Monitoring System	
Brush Material	Option to select any additionally one of Ployethylene / Soft Foam		
Wheel Brush	Optional	✓	✓
High Pressure in Wheel Brush	-	Optional	✓
Triple Foam Wax	-	Optional	✓
Sealer Wax	Optional	Optional	✓
Drying Agent Spray	-	Optional	✓
Spot Free Rinse	-	✓	✓
Blower Type, Capacity (HP)	Blower Fixed, 12hp	Control Following System, 16hp	
Control Panel	Onboard	Onboard	Onboard
Energy System	Stanchion	Stanchion / Energy Chain	Energy Chain
Vehicle Positioning System	Optional	✓	✓
PLC	Mitsubishi / Siemens / Renu	Mitsubishi / Siemens / Renu	Mitsubishi / Siemens / Renu
LED Lights	✓	✓	✓
Remote Access	-	✓	✓
Switch Gear	MPCB	MPCB	MPCB
Equipment Control	Program Switches	7" Touch Screen Panel	7" Touch Screen Panel
Color	-		
Gate Control	-	✓	✓
Wash Programs	3	5	7

Water Recycling System

W100 Water Recycling System

Skid 1 : Oil Sludge Separator

This is the stage one of the water recycling procedure. This stage removes oil, grease and heavy dirt from the water coming from the wash bay.

Skid 2 : Multimedia Filtration.

Multimedia Media Filter consists of "Sand, Gravel & Anthracite" as filtering medium. Anthracite has a higher dirt holding capacity and hence can be operated at higher velocities.

Skid 3 : Activated Carbon Filter.

This system is installed online with the Multimedia filter and no additional pump is required. The activated carbon removes the odour from the water.

Skid 4 : Resin Softener.

Resin softener is one of the most economical ways to remove hardness from the water.



Available Capacity

- 2000 liters / hour (8.8 gpm)
- 5000 liters / hour (22 gpm)
- 10,000 liters / hour (44 gpm)
- 20,000 liters / hour (88 gpm)
- 30,000 liters / hour (132 gpm)
- 60,000 liters / hour (264 gpm)
- 1,00,000 liters / hour (440 gpm)





*KKE Corp Companies supply Technology Products
to more than 50 countries across the globe....*



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