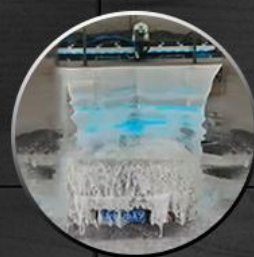




# CBK US-EV

Automatic contactless car washing machine



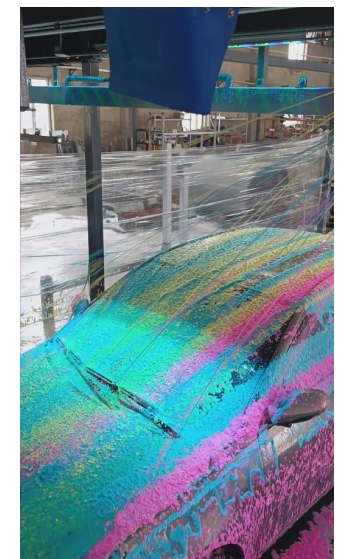
- ✓ 10 MPa high pressure flushing
- ✓ Magic Triple Foam
- ✓ Lava Water-fall
- ✓ Be able to wash all American Pick-up trucks





## All Function

1	Flush chassis and hubs	11	Standby mode
2	Automatic chemical mixing system	12	Fault self-check
3	High pressure flushing (standard/strong)	13	Leakage protection
4	Water wax coating	14	A free upgrade
5	Built-in compressed air drying system (all-plastic fan)	15	Water and electricity separation & Water foam separation
6	Intelligent 3D detection system	16	Direct drive system
7	Intelligent electronic collision avoidance	17	Hot dip galvanized frame double anticorrosive
8	Parking guidance system	18	Frequency conversion energy saving system
9	Security alarm system	19	<b>Lava Water-Fall</b>
10	Remote control	20	<b>Magic Triple Foam</b>



## Main Function Introduction

Items	Features	Instruction
1	Operation mode, four 90° turns	The robotic arm walks 360° around the body, and the angle of the four corners is 90°, which is closer to the vehicle and shortens the cleaning distance.
2	Flush chassis and hubs system	Equipped with the function of cleaning the chassis and wheel hub, the nozzle pressure can reach 80-90 kg.
3	Interated chemical mixing system	Automatically adjust the ratio of a variety of liquids, including: ordinary car washing liquid, water flooding coating wax, and no-scrub car washing liquid
4	High pressure flushing (standard/strong)	The water pressure of the water pump nozzle can reach 100 kg, and the robot arms of all equipment wash the body at a constant speed and pressure, Two modes (standard/power) can be selected..
5	Water wax coating	A macromolecular chloride is generated in the car body, which plays a role in preventing acid rain, pollution, and ultraviolet rays.
6	Built-in compressed air drying system (all-plastic fan)	The built-in air-drying system is equipped with four 5.5 kWh fans, which can effectively air-dry the whole body of the vehicle, and there is no dead angle in 360 degrees.
7	Intelligent 3D detection system	Equipped with advanced ultrasonic sensors, smart photoelectric sensors and closed-loop controllers, it uses an accurate closed-loop detection system to detect the length of the vehicle to ensure stability, safety, and energy saving.
8	Intelligent electronic collision avoidance system	Carry out vehicle cleaning under the premise of ensuring safety, and carry out safety protection for various emergencies.
9	Parking guidance system	Guide the vehicle to park by reminding lights to avoid danger.

## Main Function Introduction

Items	Features	Instruction
10	<b>Security alarm system</b>	When the equipment fails, the light and sound will prompt at the same time, and the equipment will stop running at the same time.
11	<b>Remote control</b>	Through the Internet of Things technology, complete remote startup, shutdown, reset, diagnosis, upgrade, operation, remote liquid level monitoring and other operations.
12	<b>Standby mode</b>	If the device is not used for a long time, it will automatically enter the standby state, which can reduce the energy consumption of the device in the idle state by 85%.
13	<b>Fault self-check</b>	When the equipment is abnormal, start the self-check and alarm procedures, identify the cause of the fault and record the fault code, which is convenient for query and maintenance.
14	<b>Leakage protection</b>	It is used to protect the staff who may get an electric shock in the event of a leakage fault. At the same time, it has overload and short-circuit protection functions, which can be used to protect the circuit and the motor from overload and short-circuit.
15	<b>A free upgrade</b>	The program version is free to upgrade for life, so that your car washing machine will never be outdated.
16	<b>Strengthen the front and rear washing</b>	The German PINFL high-pressure industrial water pump is used to ensure that the nozzle water pressure reaches 100kg/cm <sup>2</sup> , which can truly achieve high-pressure washing and sweep stubborn stains.
17	<b>Water and electricity separation water foam separation</b>	No electrical appliances are exposed to the outside of our mainframe rack, and put the control box and wires in the storage room. This ensures safety and reduces failures.
18	<b>Separation of water and foam</b>	We set up two pipelines to spray water and foam separately, the single foam tube we designed is more than 2/3 less wasteful than the ordinary car washing machine.



## Main Function Introduction

Items	Features	Instruction
19	<b>Direct drive system</b>	The use of new direct drive technology has greatly improved the energy saving, safety and stability of the equipment.
20	<b>Hot dip galvanized frame double anticorrosive</b>	The overall hot-dip galvanized frame is anti-corrosive and wear-resistant for up to 30 years, and can be simply adjusted according to the installation height.
21	<b>L arm can move left and right, automatic measurement of vehicle width</b>	Through intelligent measurement, the cross arm is moved to a distance of 35cm from the vehicle body to realize the close-to-cleaning of the vehicle body.
22	<b>Clean the rearview mirror</b>	The spray head sprays liquid at a 45° angle, easily flushing the rearview mirror and other angular positions.
23	<b>Frequency conversion energy saving system</b>	Advanced frequency conversion technology realizes the stage adjustment of chassis flushing water pressure, body flushing water pressure, and body drying air pressure. Various pressures can be adjusted according to the adjustment of climate and temperature to achieve the maximum optimization of energy saving and cleaning effects.
24	<b>Oil free (reducer 、 bearing)</b>	Equipped with Peer bearings originating in USA as standard, which is oil-free and fully sealed, and is maintenance-free for life.

**Main Configuration** Non-contact

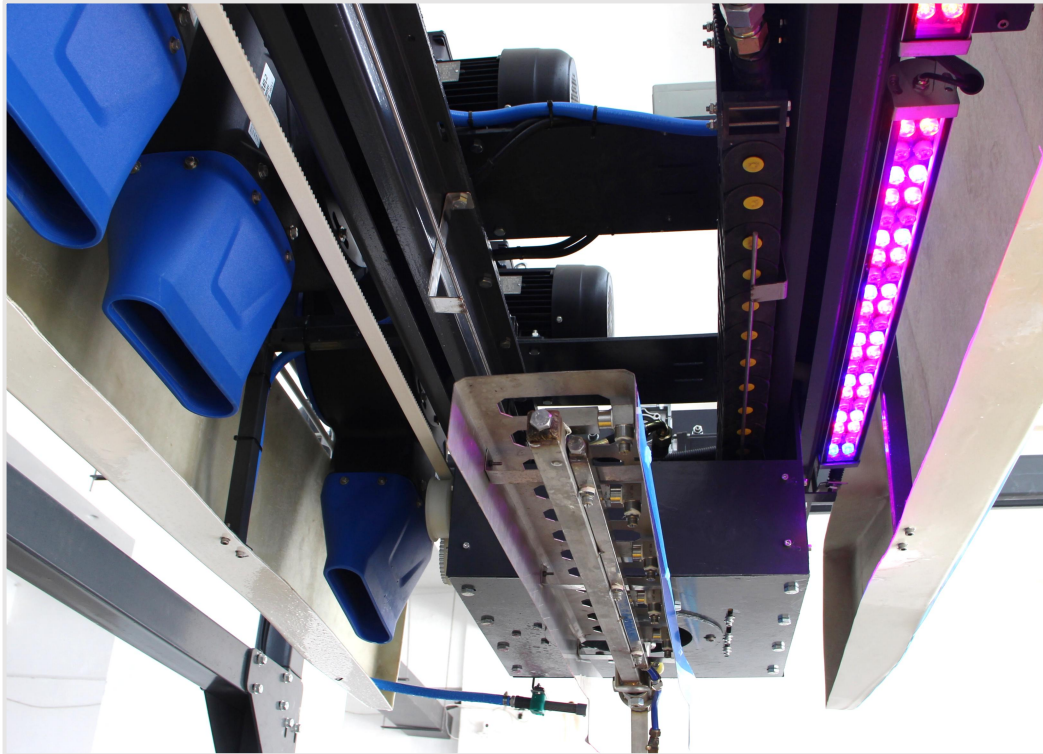


CBK US-EV Touchless car wash equipment

Main configuration	Unit	QTY
Main Structure (Stainless Steel)	Set	1
Touch Screen Operating System	Set	1
Electric Distribution System	Set	1
High Pressure Water Spray System	Set	1
Foam Wax System	Piece	1
Walking System	Piece	1
Robotic Arm	Set	1
Ultrasonic Detection System	Set	1
Suspension System	Set	1
Pneumatic Control System	Set	1

## Main Parameters

Non-contact



## Technical Parameters

Parameters	CBK US-EV
Warranty	3 years
Appearance size of equipment	L9150*W3800*H3600mm
Venue Size	L9600*W4200*H3650mm
Ground Concrete Thickness Of The Site	More than 20 cm and be horizontal
Water Pump	GB 6 Motor 18.5KW/208V
Air-drying motor	Four 5.5KW motors/208V
Pump pressure	10MPa
Standard water consumption	130-180L/Car
Rail length	9M
Total power	25KW
Total Weight	2300KG
Shipping volume	20CBM
Power Requirement/ Customize	3 Phase 208V



# Core Parts



HMI



Frequency Converter



Hybrid Stepper Servo Driver



PLC Control System



Variable Frequency Motor



Proximity Switch

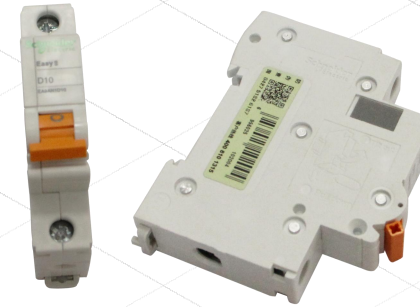
# Core Parts



Ultrasonic Sensor



High Pressure Water Pump



Breaker



Peer Bearing

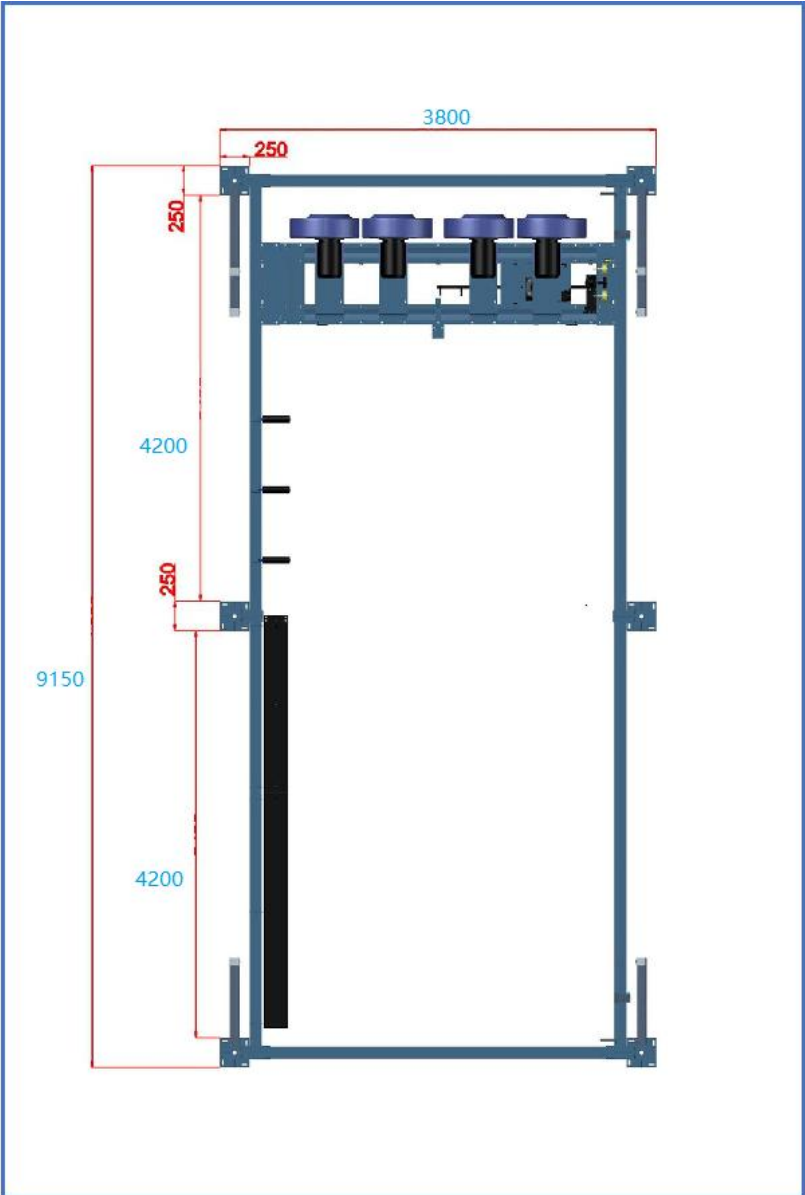
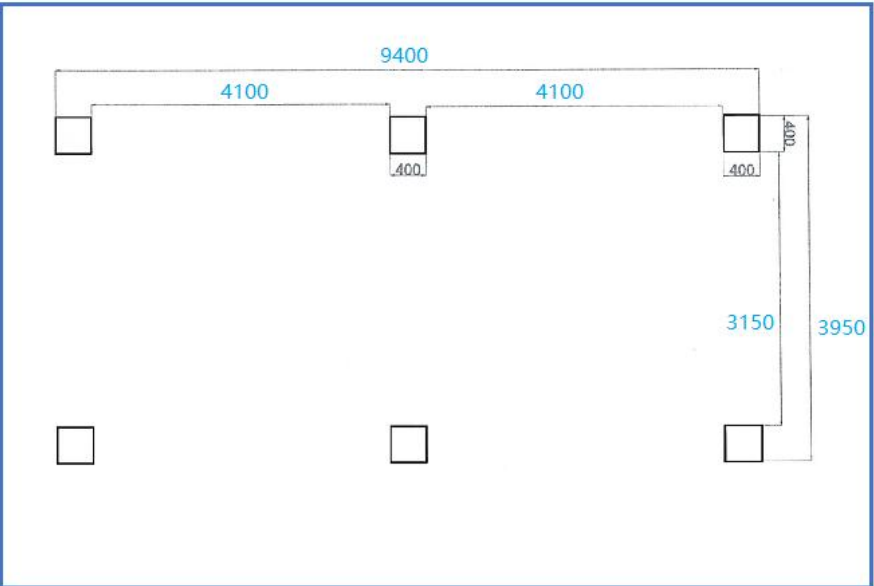
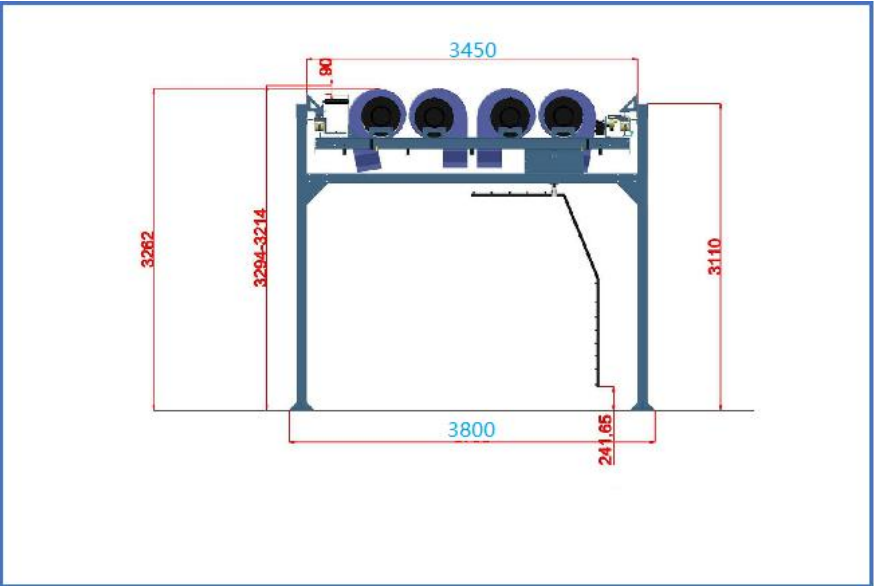


Proportioning System



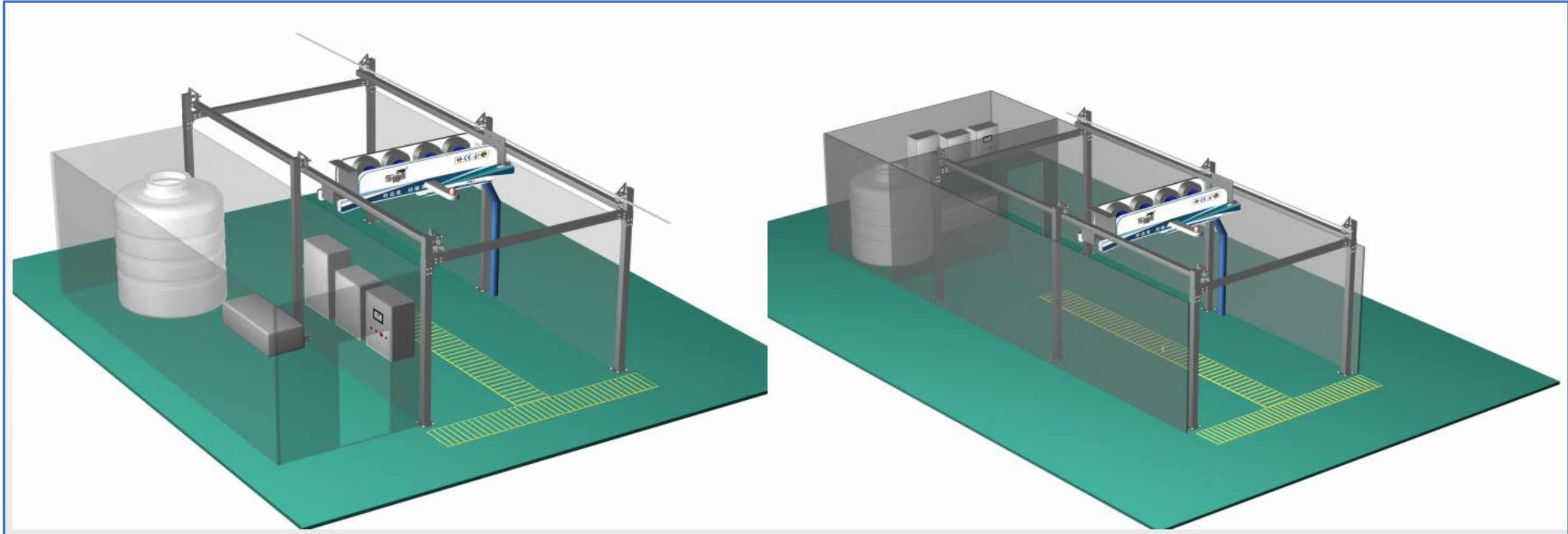
The Photoelectric Correlation

# The Installation

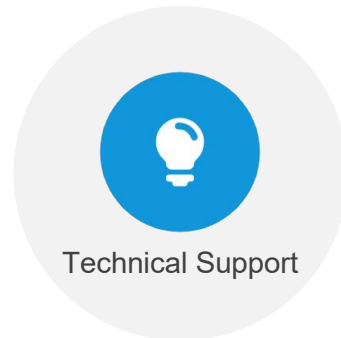
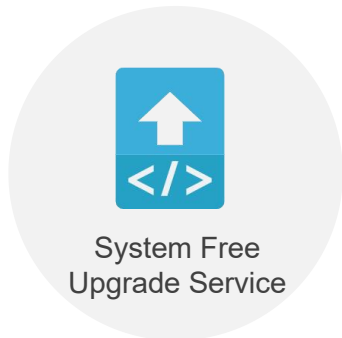
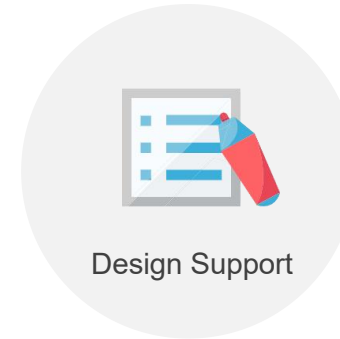
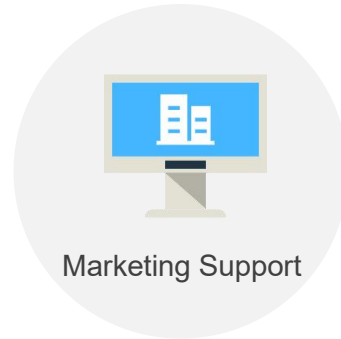
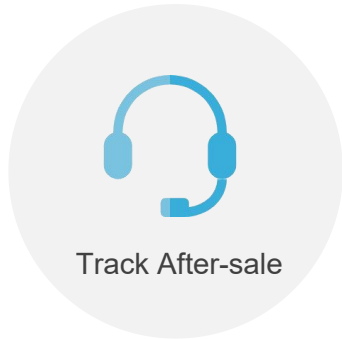
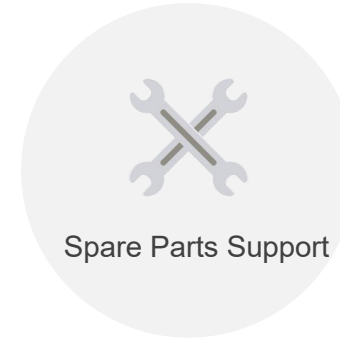
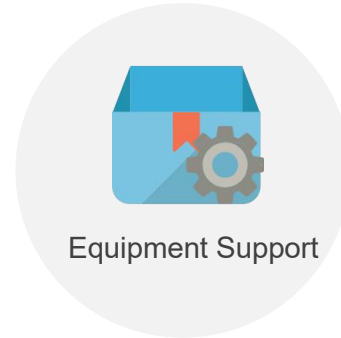
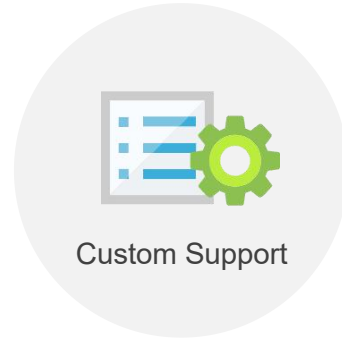
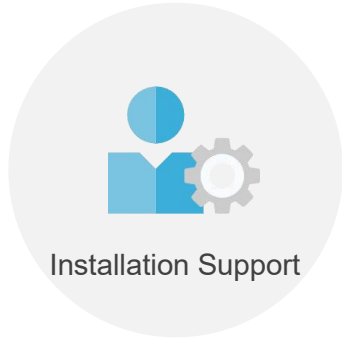




## Installation Diagram



## Policy Support



# CONTACT US

CBKWash

WEB: [www.cbkcarwash.com](http://www.cbkcarwash.com)



Email: [contact@cbkcarwash.com](mailto:contact@cbkcarwash.com)



LinkedIn: CBK Carwash



Facebook: [cbkcarwash](https://www.facebook.com/cbkcarwash)



YouTube: CBK Carwash



TikTok: CBK Carwash



TEL: +86 18904079192