



CBK US-SV

Automatic contactless car washing machine



- ✓ 10 MPa high pressure flushing
- ✓ Built-in Quick-Drying system
- ✓ Indicating Range Parking System
- ✓ Be able to wash all American Pick-up trucks



All Function

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

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	Security alarm system	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	Remote control	Through the Internet of Things technology, complete remote startup, shutdown, reset, diagnosis, upgrade, operation, remote liquid level monitoring and other operations.
12	Standby mode	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	Fault self-check	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	Leakage protection	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	A free upgrade	The program version is free to upgrade for life, so that your car washing machine will never be outdated.
16	Strengthen the front and rear washing	The German PINFL high-pressure industrial water pump is used to ensure that the nozzle water pressure reaches 100kg/cm ² , which can truly achieve high-pressure washing and sweep stubborn stains.
17	Water and electricity separation water foam separation	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	Separation of water and foam	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	Direct drive system	The use of new direct drive technology has greatly improved the energy saving, safety and stability of the equipment.
20	Hot dip galvanized frame double anticorrosive	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	L arm can move left and right, automatic measurement of vehicle width	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	Clean the rearview mirror	The spray head sprays liquid at a 45° angle, easily flushing the rearview mirror and other angular positions.
23	Frequency conversion energy saving system	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	Oil free (reducer 、 bearing)	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-SV 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-SV
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	2200KG
Shipping volume	18CBM
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

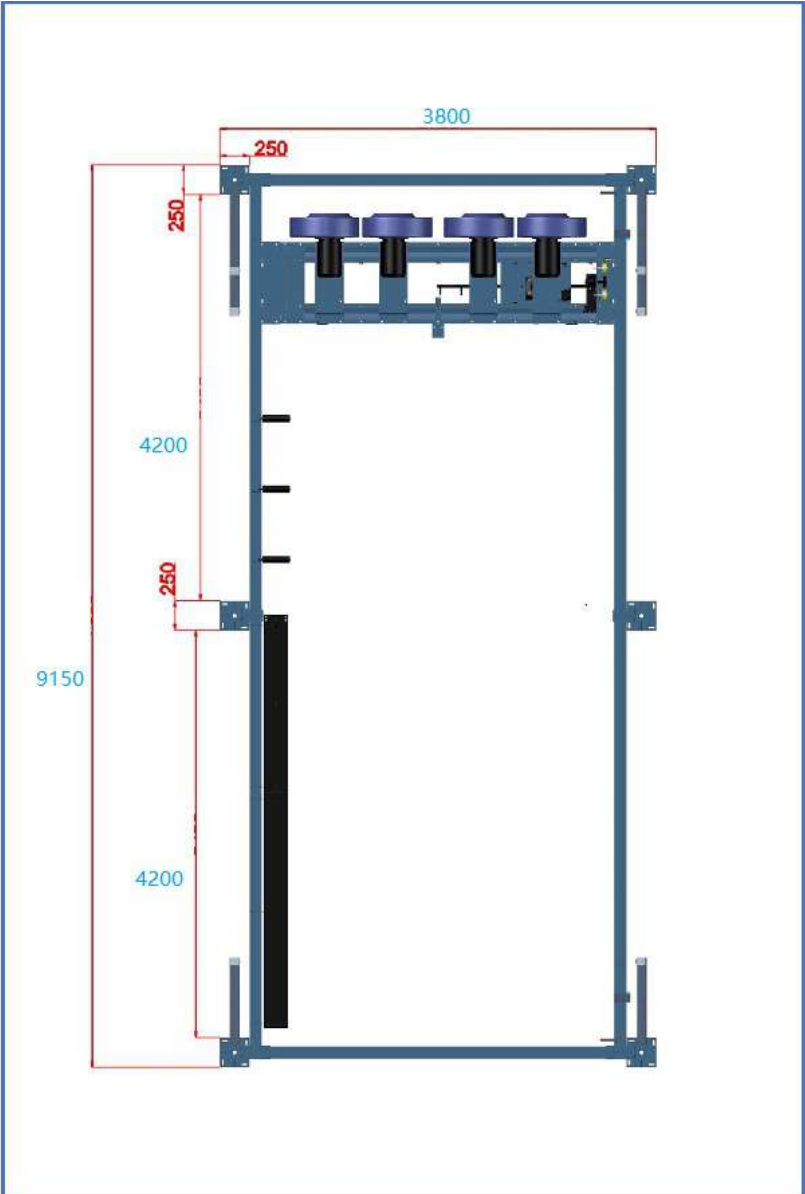
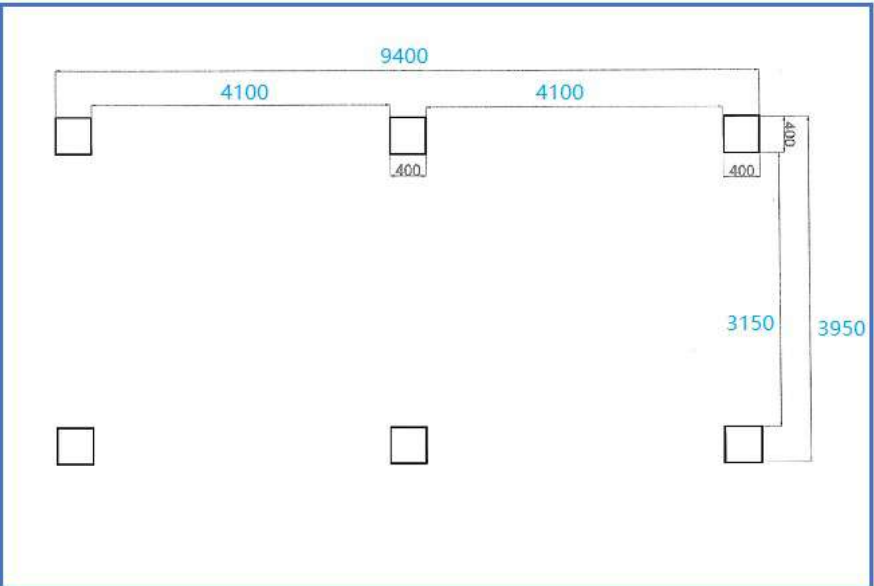
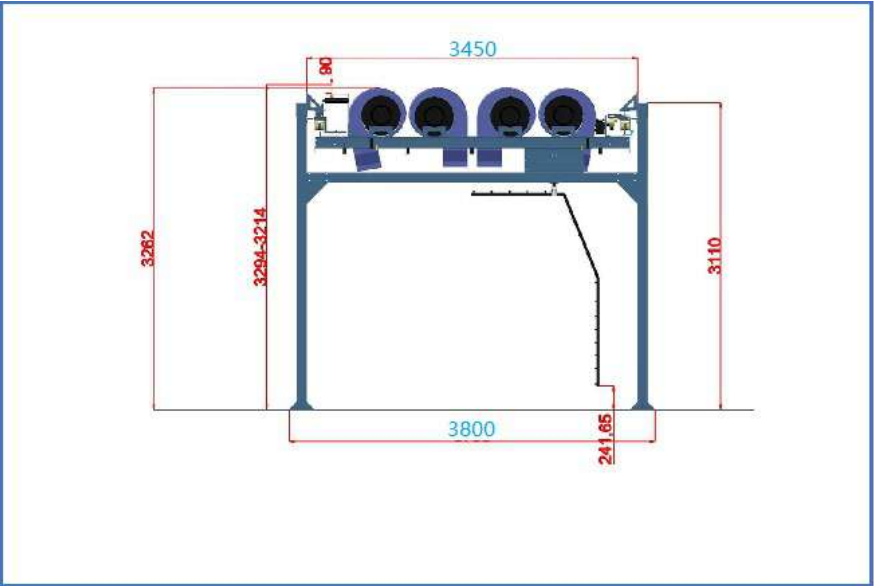


Proportioning System

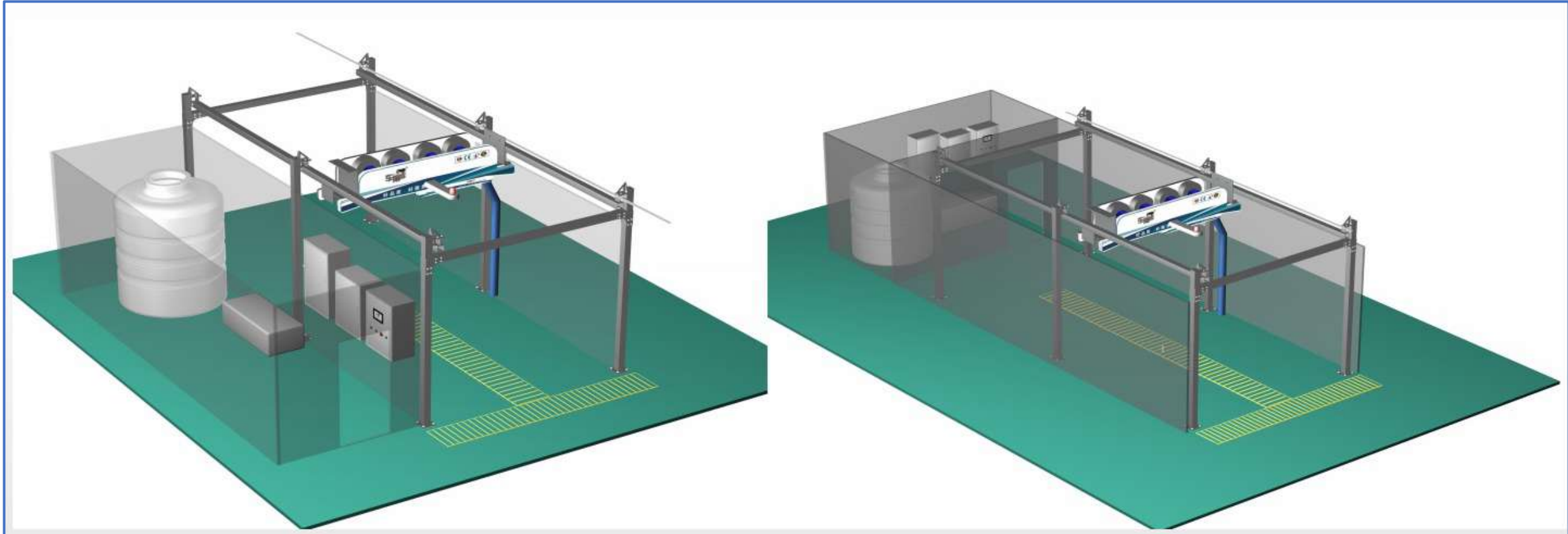


The Photoelectric Correlation

The Installation




Installation Diagram




Policy Support




Installation Support




Custom Support



Equipment Support




Spare Parts Support



Track After-sale



Training Support




Marketing Support




Design Support




3 Years Warranty



System Free Upgrade Service



Optional Function



Technical Support



Operations Support

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