

PRODUCT CATALOG

Largest manufacturer of car wash
equipment in China



CBKWash

Car Wash Machine






www.cbkcarwash.com

FACTORY



ABOUT CBK

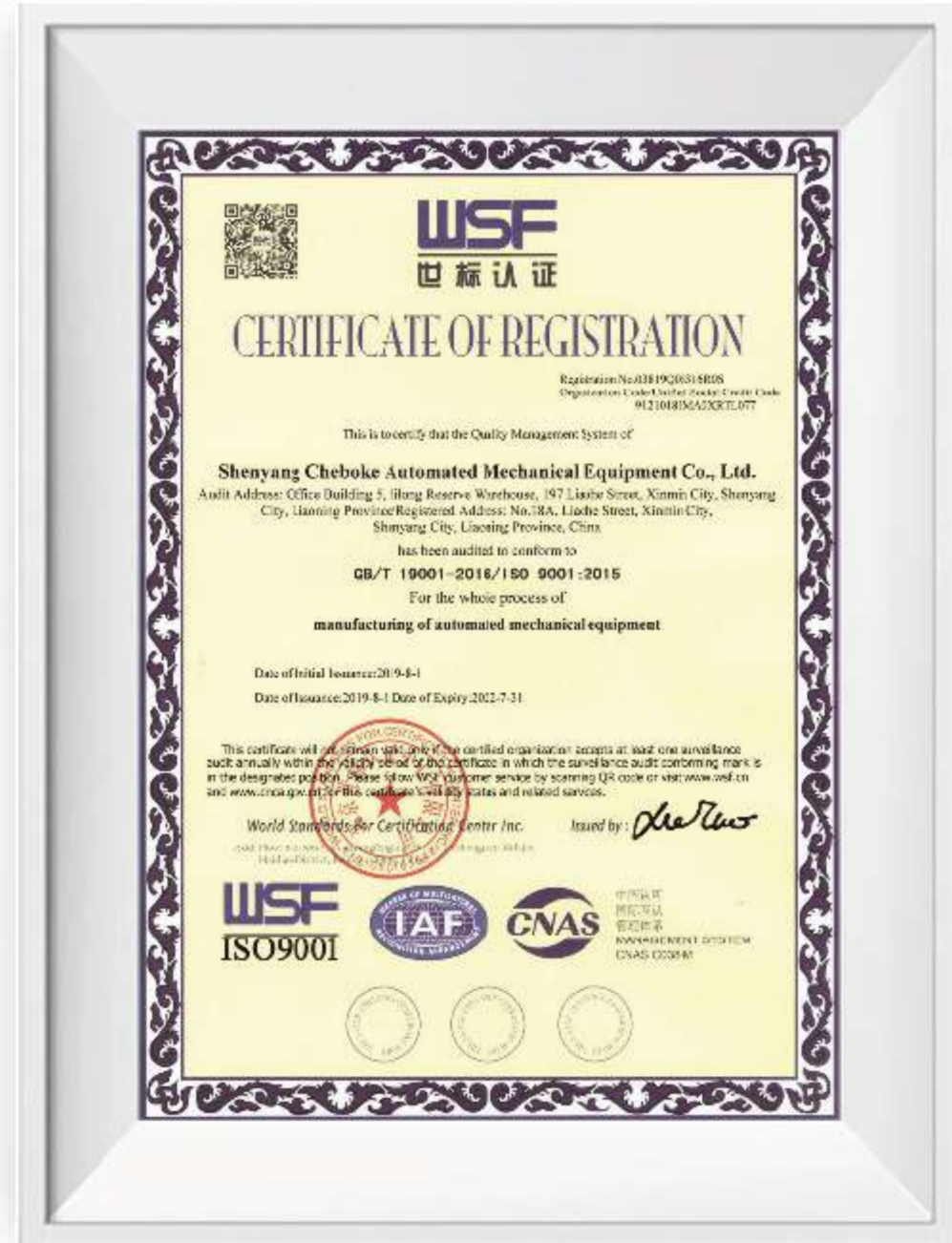
- Largest Manufacturer in China 01
- Established in 2013 02
- Production capacity 3,000 sets/year 03
- Factory area 20,000m² 04
- 25+ professional R&D engineers 05
- 200+ experienced workers 06
- 10+ copyrights 07

-  **Vision:** To be the No.1 brand in car wash equipment industry.
-  **Mission:** Beyond technology, manufacturing products with high stability.
-  **Value:** Honesty and reliability.

PRODUCTION CAPACITY



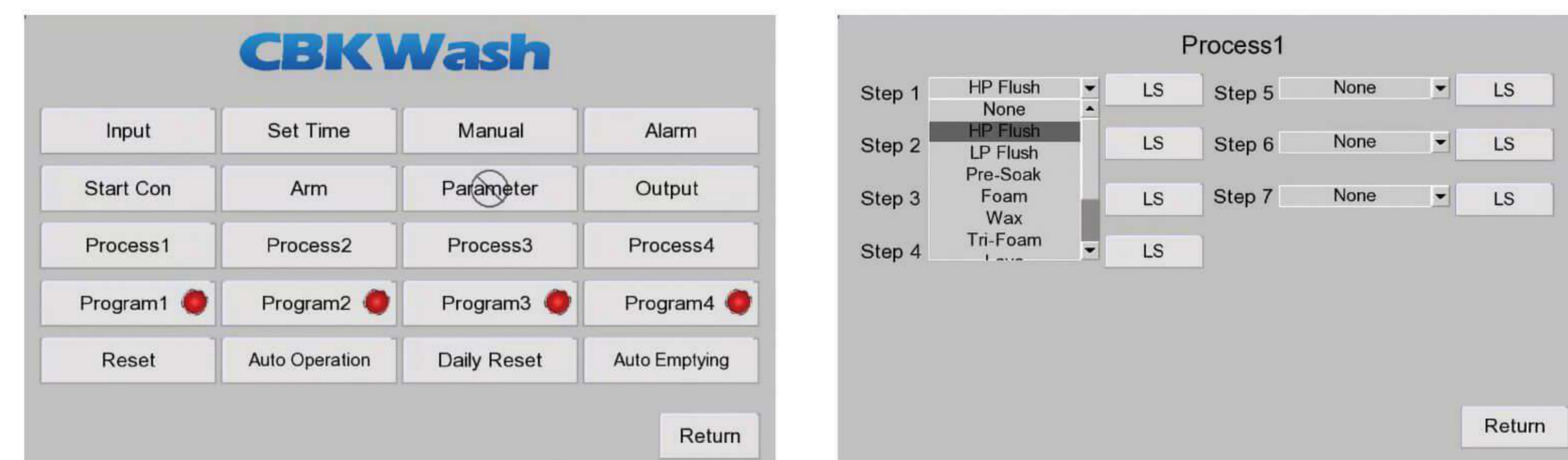
CERTIFICATES



Patents



TOUCHLESS STANDARD MODELS



- Energy-saving, labor-saving, high work efficiency
- Different solutions for different size of vehicles
- 10Mpa high water pressure will make your car clean and shining
- Frequency conversion technology
- Customized car wash programs to meet the different carwash culture
- Advanced technology software for sustainable upgradation



PRODUCT FUNCTIONS



Chassis & hub cleaning system

Equipped with chassis and hub cleaning function, the water pressure is adjustable.



Presoak

360° rotary presoak spray with steady pressure. Industry pioneering double pipeline system, water and foam completely separated.



Magic foam

The magic foam nozzles convert the wash fluid into mist or foam, and sprays evenly to every part of the vehicle to achieve best decontamination effect.



Lava water-fall

The thick foam falls down like water-fall, which turns out fantastic under the colorful LED lights.

CBK Wash



Intelligent 3D detection system

Equipped with advanced ultrasonic sensors, smart photoelectric sensors and closed-loop controllers, it uses an accurate detection system to automatically detect the length of the vehicle, ensuring stability and safety.



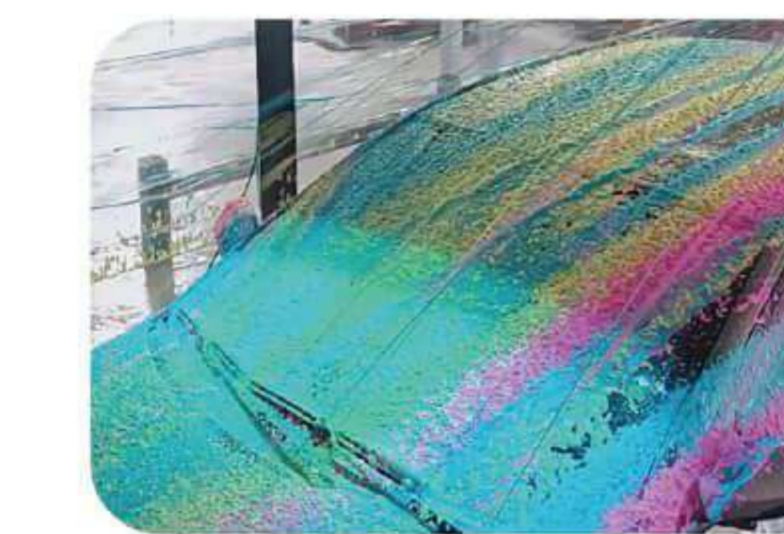
High pressure water

10Mpa high pressure water with 3D detection system which ensures the best cleaning effect distance at 35cm.



Parking guidance system

Guiding the vehicle to park with the indicator to ensure the vehicle is perfectly parked and prevent collisions with the framework.



Triple foam

Triple color foam is sprayed on the body of the car at the same time to form beautiful ribbons.



Built-in compressed drying system

The built-in air-drying system is equipped with plastic qualified fans, which can effectively air-dry the whole body of the vehicle.



Water waxing foam

A macro-molecular chloride is generated on the car body, which makes your car clean and shining.



TOUCHLESS SERIE-STANDARD MODELS



CBK 008/108 simple version: Equipped with high pressure water rinsing and shampoo spraying function. It is able to provide semi automatic service with small amount of manual force involved. The most economic option for you.

CBK 208 basic version: With standard washing procedures and extra magic foam functions setting up. Enhanced air drying functions. An overall very cost effective machine.

CBK 308 enhanced version: It adopts advanced 3D dimension detection function and horizontal walking method which provides more intelligent service. Enhanced air drying system. The hot sales amongst our catalogs.

CBK 408 luxury version: An upgraded version based on 308. With extra lava water fall and triple color functions that will provide visual enjoyment to your end customers.



Function	CBK008	CBK108	CBK208	CBK308	CBK408
Enhanced cleaning of front and rearview				✓	✓
Automatic clean rearview mirror				✓	✓
Automatic detection of vehicle width				✓	✓
Separation of water and foam			✓	✓	✓
Pre-soak + Foam + Water wax	✓	✓	✓	✓	✓
Magic foam			✓	✓	
Tri-color and lava waterfall					✓

Dimension sheet	CBK008	CBK108	CBK208	CBK308	CBK408
Max Vehicle Size	L5600*W2600*H2000mm L220.47*W102.36*H78.74inch				
Appearance size of equipment	L6800*W3650*H3000mm L267.72*W143.70*H119.11inch	L7000*W3650*H3100mm L275.59*W143.70*H122.05inch	L7000*W3650*H3100mm L275.59*W143.70*H122.05inch	L7750*W3700*H3200mm L305.12*W145.67*H125.98inch	
Installation Size	L7000*W3800*H3100mm L275.59*W149.61*H122.05inch	L7200*W3800*H3200mm L283.46*W149.61*H125.98inch	L7200*W3800*H3200mm L283.46*W149.61*H125.98inch	L8000*W4000*H3300mm L314.96*W157.48*H129.92inch	
Thickness for Ground concrete	More than 15 cm(6inch) and be horizontal				
Total Weight	1250KG	1900KG	2300KG	2700KG	2700KG
Shipping volume	8CBM	8CBM	11CBM	13CBM	13CBM

Technical data sheet	CBK008	CBK108	CBK208	CBK308	CBK408
Water Pump Motor	GB 6 Motor 15KW/380V				
Air-drying motor	-	Three 4.0KW motors/380V	Four 5.5KW motors/380V		
Water pump pressure	10MPa				
Standard water consumption	90-140L/Car				130-180L/Car
Standard power consumption	0.5-0.8 kWh		0.5-1.2 kWh		0.5-1.8 kWh
Standard chemical liquid consumption (Adjustable)	20ML-150ML				150ML-300ML
Walking method	Walking on the rails		Suspension system non-resistance rails		
Total power	15KW	27KW	37KW		
Power requirement	3 phase 380V, 50HZ/Single phase 50HZ 220V (can be customized)				

TOUCHLESS SERIE-US MODELS



 Larger washable size of vehicles

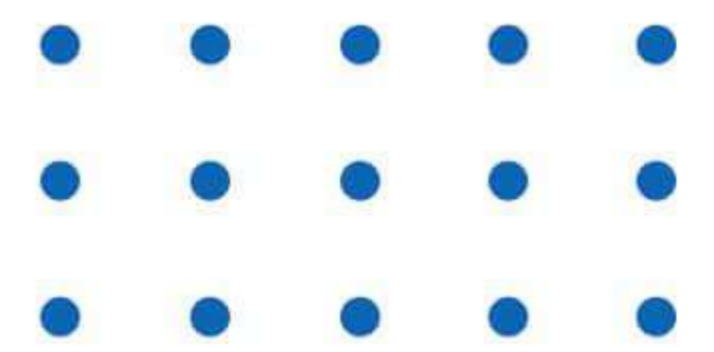
 Customized 208V 60HZ

 10Mpa high pressure water

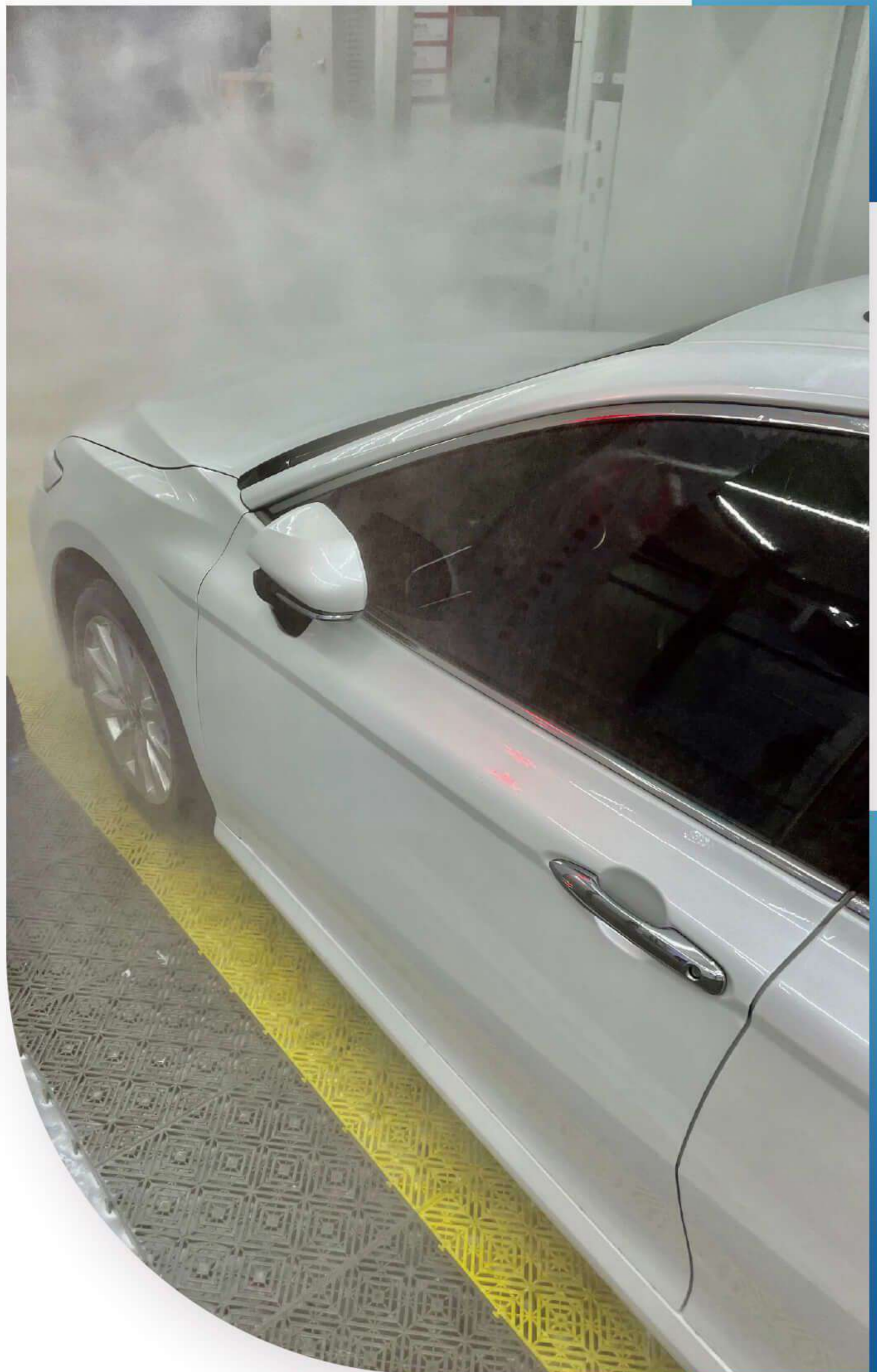
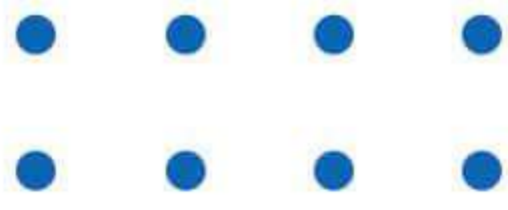
Function	CBK US-BV (BASIC)	CBK US-SV (STANDARD)	CBK US-EV (ENHANCED)
lava Waterfall			✓
Triple foam			✓
Pre-soak, Shampoo	✓	✓	✓
Magic foam, Wax	✓	✓	Only wax

Technical data sheet	CBK US-BV (BASIC)	CBK US-SV (STANDARD)	CBK US-EV (ENHANCED)
Water Pump Motor	GB 6P Motor 18.5KW/208V		
Air-drying motor	Four 5.5KW motors/208V		
Water pump pressure	10MPa		
Standard water consumption	130-180L/Car		
Standard power consumption	0.5-1.2 KWh		
Standard chemical liquid consumption	20ML-300ML Adjustable		
Walking Way	Suspension system non-resistance rails		
Total power	40.5KW		
Power requirement	3 Phase 208V, 60HZ/Single phase 110V, 60HZ		

Dimension sheet	CBK US-BV (BASIC)	CBK US-SV (STANDARD)	CBK US-EV (ENHANCED)
Max Vehicle Size	L5600*W2600*H2000mm	L6770*W2690*H2100mm	
Appearance size of equipment	L7750*W3700*H3200mm	L9150*W3800*H3600mm	



CONTOURING SERIE



- 35CM cleaning distance
- 12Mpa high pressure water
- Magnificent cleaning effect
- Side rotating wheel washer
- Horizontal contour following
- Automatic detection of particular shapes



CONTOURING SERIE



Model	DG-107	DG-207	DG-307	BS-105
Hub Brush		✓		
Lava		✓		
Colorful glare+Led lights		✓		
Intelligent detection of vehicle width		✓		
Side water profile expansion		✓		
Horizontal spray	✓	✓	✓	✓

Model	DG-107	DG-207	DG-307	BS-105
Warranty	3 years	3 years	1 years	1 years
Water Pump Motor	Motor 22KW/380V	Motor 22KW/380V	Motor 22KW/380V	2 Motor 15KW/380V
Air-drying motor	Four 5.5KW motors/380V	Four 5.5KW motors/380V	Four 5.5KW motors/380V	Six 4.0KW motors/380V
Pump pressure	12MPa			10MPa
Standard water consumption	90-140L/Car			200-300L/Car
Standard power consumption	0.5-1.2 KWh			0.5-2.0 KWh
Standard chemical liquid consumption	20ML-150ML Adjustable			
Rail length	9M	9M	11M	13M
Total power	44KW	44KW	44KW	54KW
Power requirement	3 phase 380V Single phase 220V can be customized			
Max Vehicle Size	L5600*W2600*H2000mm	L7000*W2600*H3000mm	L13000*W2550*H4000mm	

BRUSH SERIE

Low energy consumption, providing better user-experience with low failure rate, less noise generated and long service life.

Simple and efficient, installation friendly, easy and low cost for maintenance. Well-equipped safety ensurance system that provides multiple protection for both machine and people.

Easy to operate after simple training.

Excellent air-drying effect which is able to remove more than 90% of water residuals on the surface.

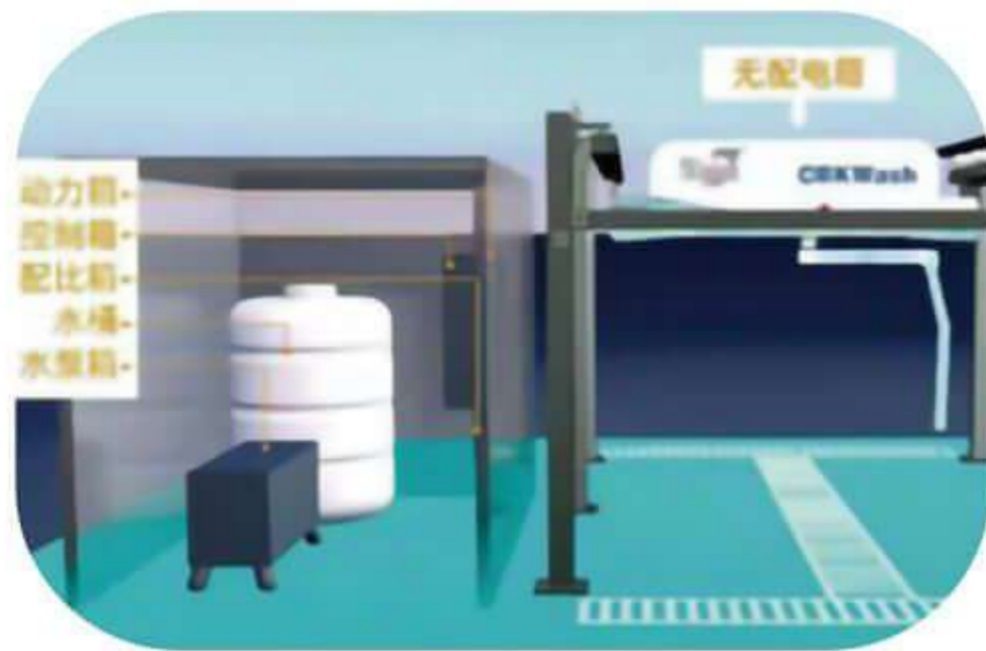


Total power	27KW
Power requirement	AC380V
Max vehicle size	L6000*W2600*H2000mm
Installation size	L11000*W4000*H3500mm

4 CORE TECHNOLOGIES

01

Safer
user-experience



CBK Carwash adopts water and electricity separation technology to completely separate distribution box from moving body to carwashing room.

This technology ensures safety and reduces the possibilities of failures by intelligent electronic collision avoidance system which makes sure the vehicle cleaning is under the premise of ensuring safety and carry out safety protection for various emergencies. Utilizing proximity switch and servo motor to ensure moving body walking stably and safely in rails.

02

More
energy-saving



The pipelines of water and foam are completely separated. Water will be transfered exclusively from the water pump to each nozzle, which means there is no shunting in the process to ensure the maximum water pressure.

The dual pipelines can save more than 2/3 carwash chemical liquids than single pipeline car washing machines.



Cleaner
washing effect

03

CBK Carwash adopts Customized Germany Pinfl PW60 high-pressure plunger pump. It is coupling with a 15KW 6-Pole motor by direct-drive technology. This particular method will largely reduce the energy loss during transmission and keep the motor and pump functioning in a stable, safe, efficient and maintenance-free way.

The water pressure nozzles can reach around 100 bars, while the robot arm can wash the vehicle at a constant speed and pressure. Given that, cleaning effect is better.



Long
lasting

04

CBK Carwash adopts 18.5kw heavy-load, (22kw light-load) frequency conversion drive technology.

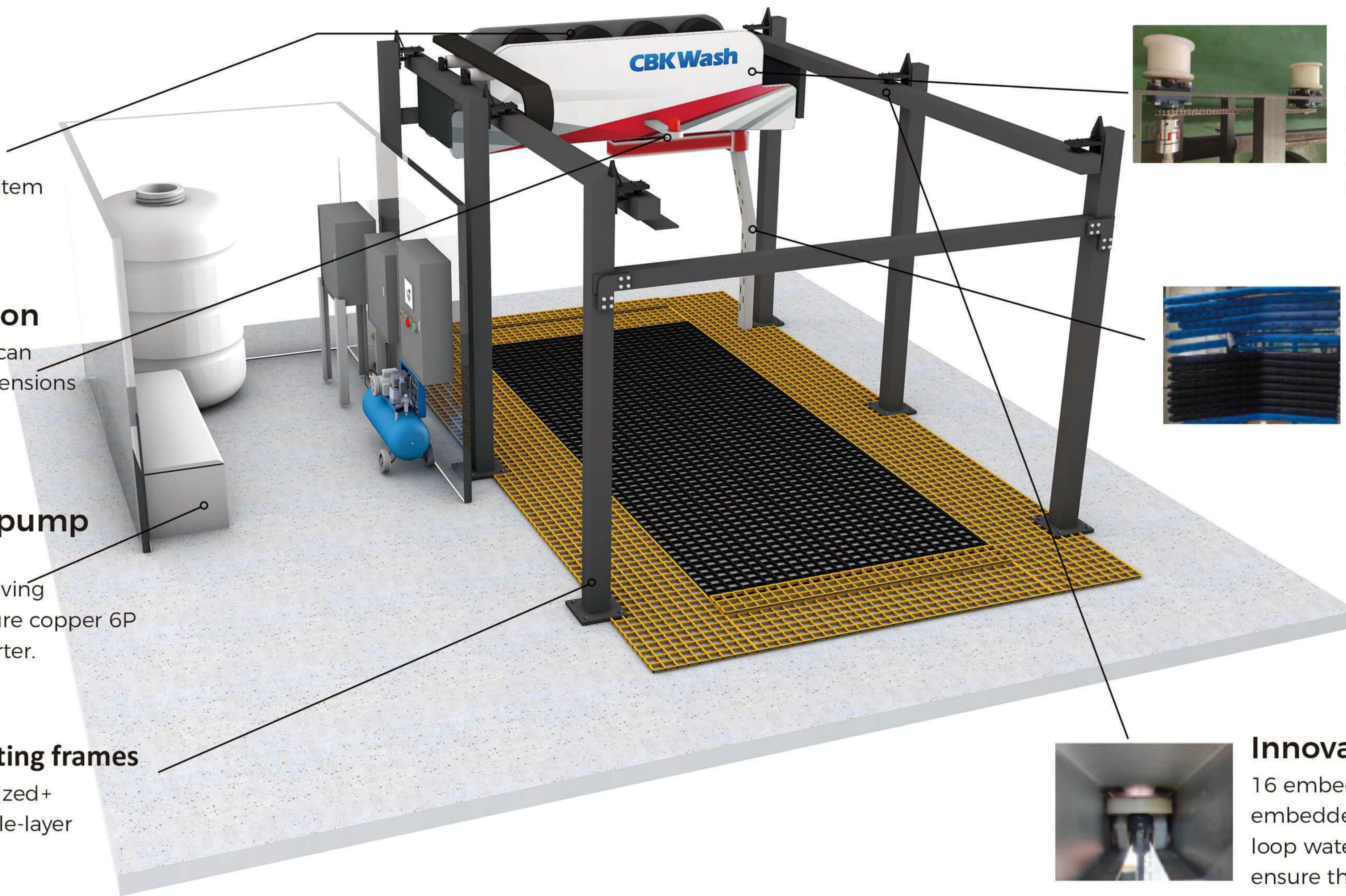
1. When the motor is directly started, it will generate 7 to 8 times of the rated current of the motor. This increases the electrical stress of the motor winding and generates a lot of heat, thus reducing the service life of the frequency converter.

With CBK Frequency converter, the motor can be started at zero speed and zero voltage, then smoothly increased.

2. When using the traditional ways, which may result to severe vibration to the motor or the shaft or gear of the connected mechanical part. These vibrations will further aggravate mechanical wear and loss, and reduce the service life of mechanical components and motors.

CORE PARTS

CBKWash



Air-drying system
Germany TBT driers + 100% aluminum shell + heavy-duty frequency converter(18.5kw) system to drive.



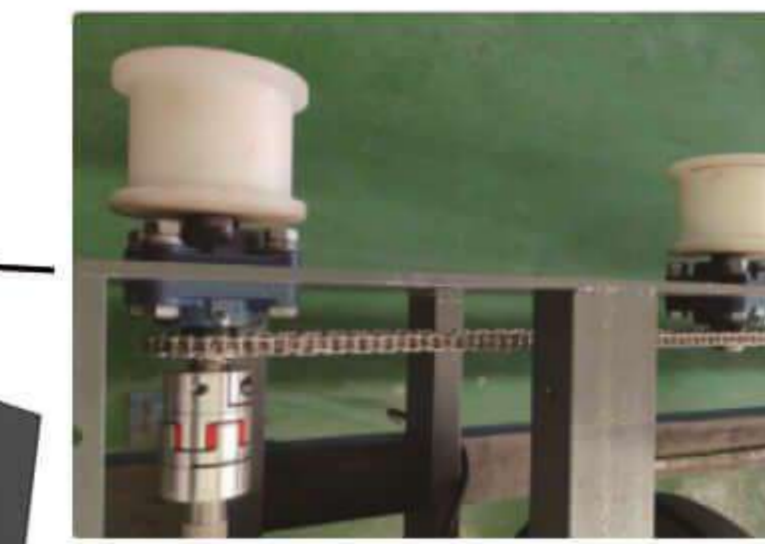
Intelligent 3D detection
Germany P+F ultrasonic sensor can automatically measure the dimensions of vehicles.



High pressure water pump
Germany PINFL high pressure water pump+direct driving system with coupling +100% pure copper 6P motor+heavy-duty 18.5KW inverter.



Standard industrial mounting frames
Steel frames are hot-dip galvanized+ spray painting treatment (double-layer anti-corrosion).



Moving body
Using international pickling sheet, laser cutting, CNC bending, hot-dip galvanized on the surface after welding and spraying painting treatment. Safe, stable and reliable.



304 SS robotic arm
304 stainless steel arm with special design to ensure the water from top nozzles and side nozzles cross arrangement without interference, and both sides reach the maximum water pressure.



Innovative embedded walking
16 embedded walking wheels+8 embedded guiding wheels+closed-loop waterproof stepper motor to ensure the accuracy and stability.



Heavy duty permeable carbon high pressure rotary joints
304 stainless steel



System self-test and fault alarm
PLC will automatically test the core components



Heavy duty fluid technology
304 stainless steel



Excellent pneumatic components
Taiwan Airtac, Taiwan Sanex



High-efficiency frequency converter system



Stable low-voltage electrical components
French brand Schneider



Low voltage power supply
Japan Omron/
Taiwan Meanwel



Safety trip switches
French Schneider

OPTIONAL PRODUCTS

01 High pressure water

02 Foam

03 Wash hand

04 Vacuum cleaner (dry and wet)

05 Water wax

06 Ozone disinfection

07 High pressure blowing

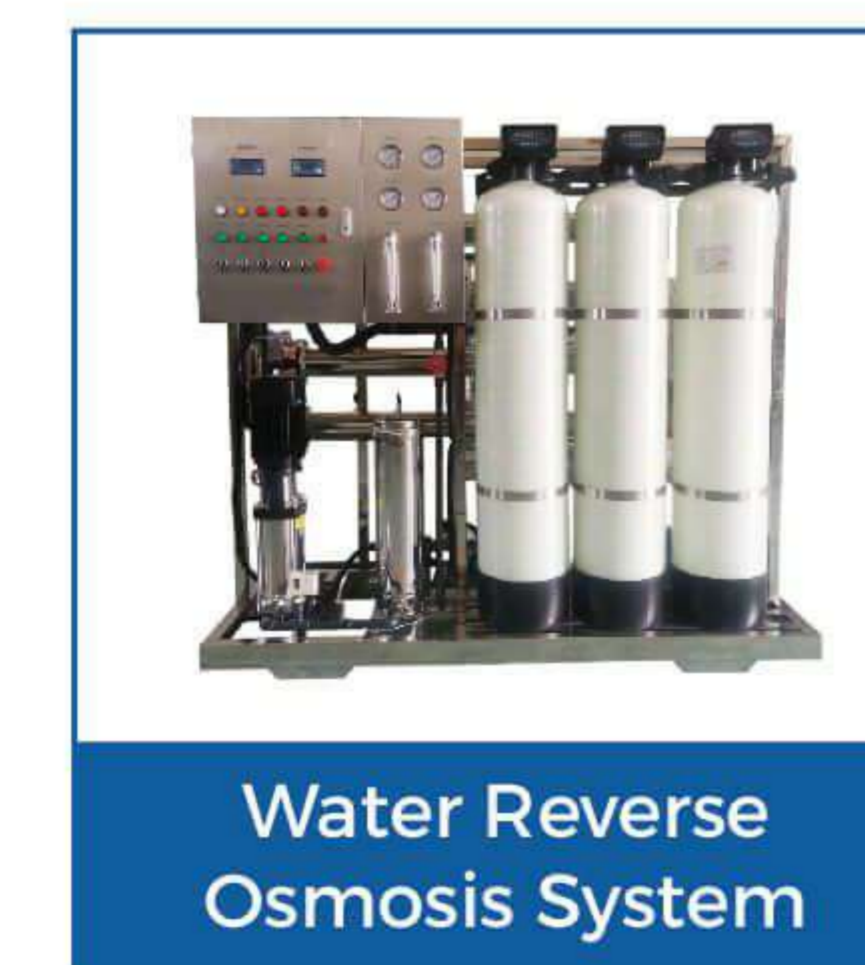
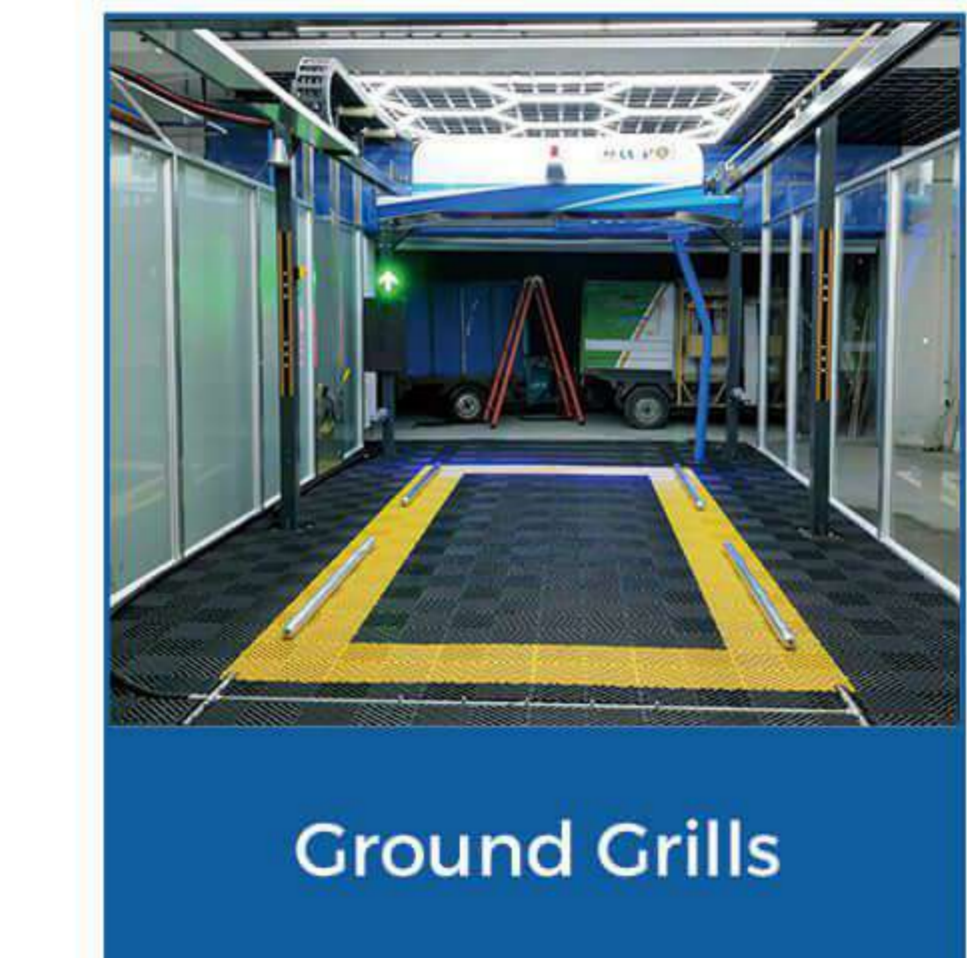
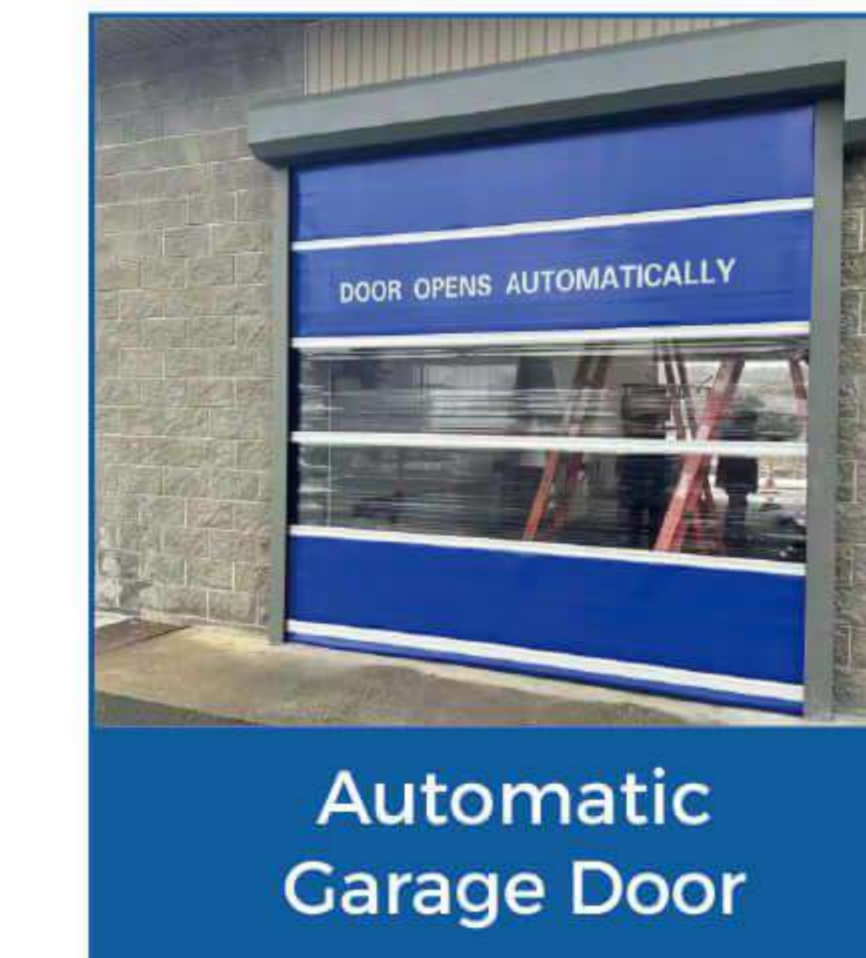
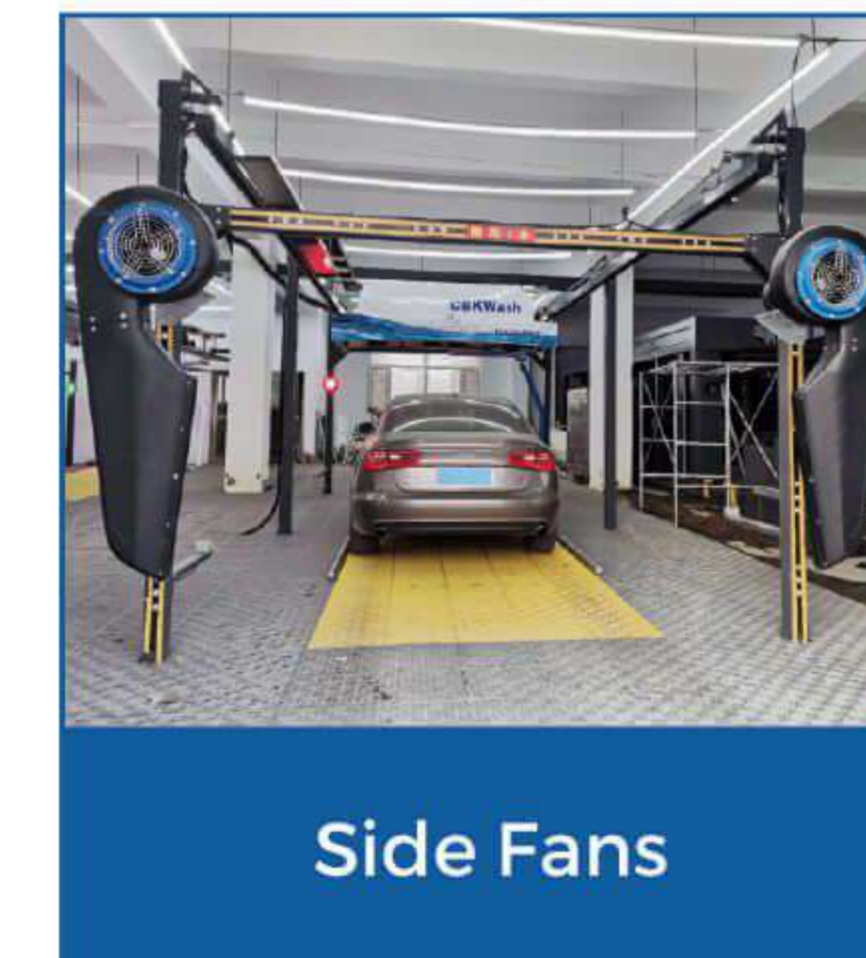
08 Warm water

Self Service Accessories

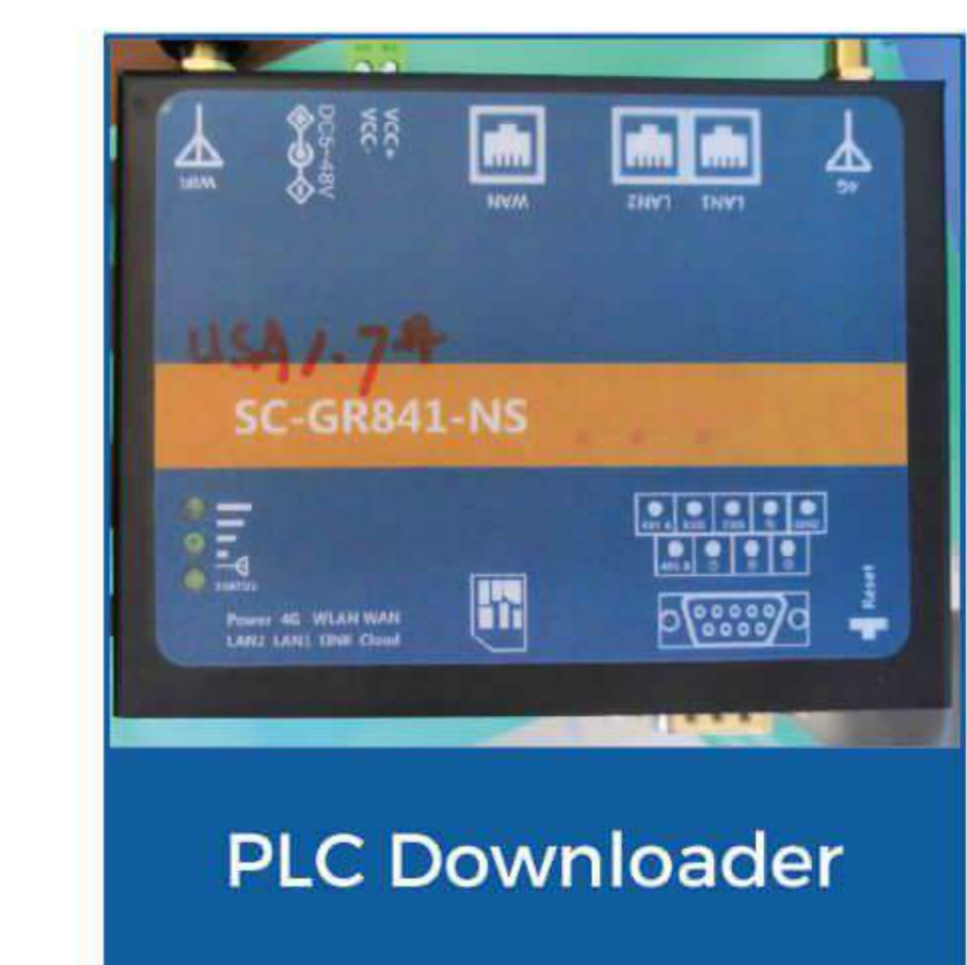
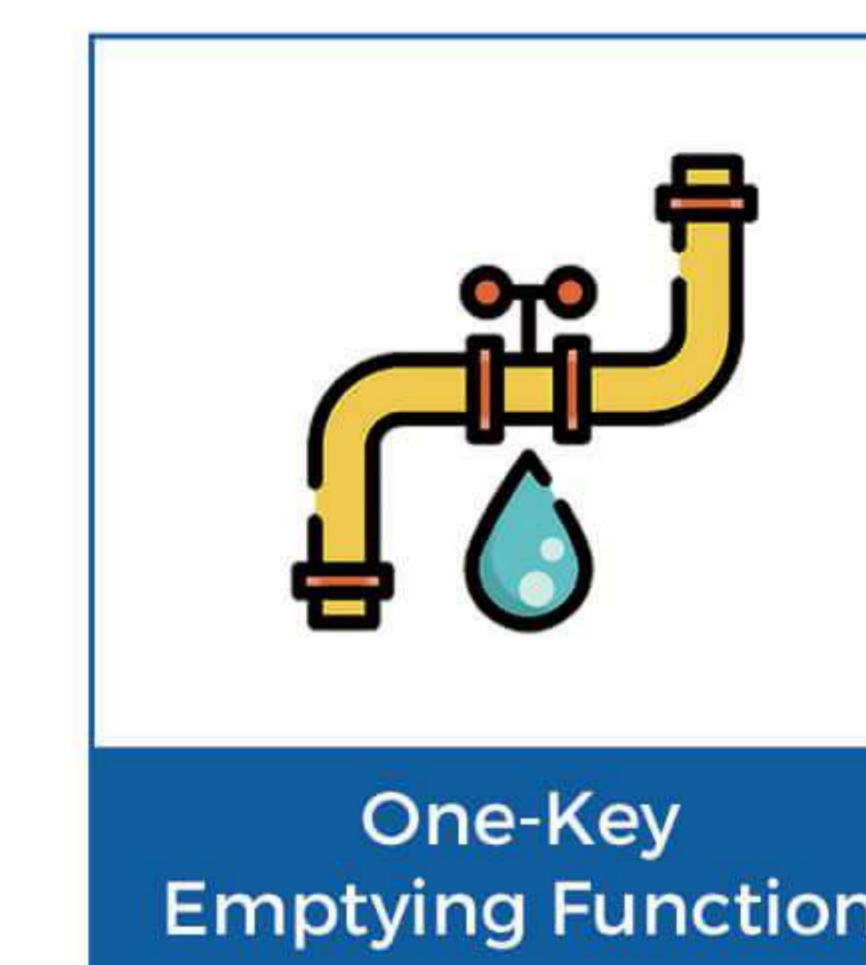


CBK Wash

Accessories



Air Compressor



CUSTOMIZED SERVICE

— Carwash steps can be customized

High/Low pressure water, presoak, foam, wax, triple-color, lava, enhance rinse, soft water, ground rinse, and more wash steps can be customized.

— System upgrade (by remote system)

The program is upgraded for free, so that the washing machine will never be outdated in terms of software.

— Sizes of the machine can be customized

In addition to the following framework sizes, exclusive frameworks can be customized according to the site.

— Connection to payment software

— Other requirements can be customized language/logo/color/voltage/function



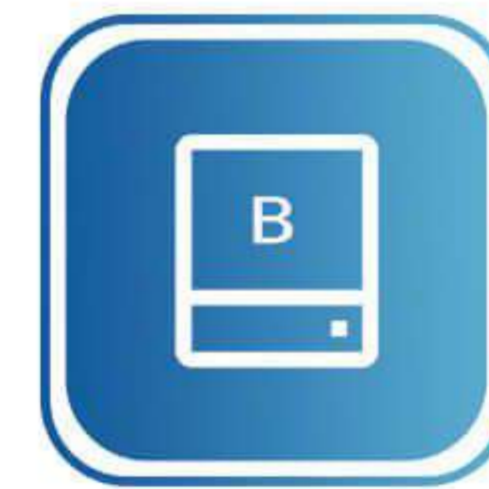
Design Support



Shipping Support



Installation Support



Equipment Support



Spare Parts Support



Marketing Support



Track After-sales



Training After-sales



System Free Upgrade Service



Optional Support



Technical Support



Operation Support

PRE-SALES SERVICE

In order to help customers understand the machine details better, functional advantages, market conditions, etc., CBK provides customers with a full range of car wash equipment consult service, video instruction and site layout design service, according to users' needs. Highly welcome clients to our factory for on-site inspections.

SALES SERVICE

From the perspective of customers considerably, CBK will tailor professional car wash solutions and specific technical guidance for customers according to their actual use conditions. CBK car wash equipment of different sizes and functions can be customized to meet their different business needs.

AFTER-SALE SERVICE

Professional after-sales engineers will provide free installation guidance and commissioning services according to the actual site conditions of customers, to ensure the best performance of the equipment. At the same time, CBK will also provide customers with complete equipment information, user manual, professional training, and 24H online service.

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