

CBKWash

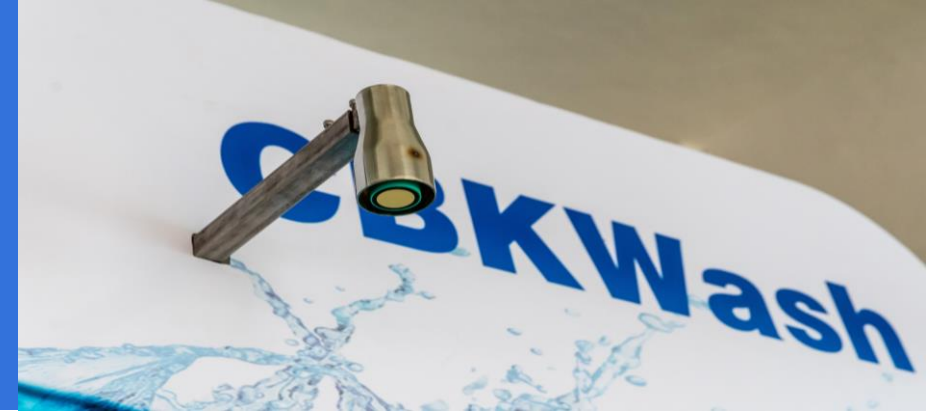


LARGEST MANUFACTURER OF CAR WASH EQUIPMENT IN CHINA

LIAONING CBK CARWASH SOLUTIONS CO., LTD.

LEADER

World leader in car wash solution.



CUSTOMIZE

Customized to fit your needs

RE-INNOVATE

Overturn the traditional way of car washing



About Factory

1. Brief Introduction	1
2. Workshop	2
3. Organization	3
4. Advantages	4
5. Process	5
6. Technology	7
7. Certifiactions	8
8. Patents	9
9. Value, Mission & Vision	10
10. Contact Us	26

About Products

1. Category	11
2. Car wash steps	12
3. Product Features	14
4. Product Superiority	15
5. Touchless type parameter.....	17
7. Brush type parameter	19
8. Core Parts	21
9. Details Comparison	23
10. Application	24
11. Policy Support	25

Company Profile

Liaoning CBK Car Wash Solution Co., Ltd.

10,000

10,000 square meters area

More than 25 professional engineers

25

3,000

Capacity of 3,000 units per year

2 certification: European CE and ISO9001: 2015 certification

2

20⁺ & 10⁺






Over 20 national patents and 10 copyrights.



CBK Workshop



Organization Chart

		 Department	 Number of people
 Manufacturing	Engineer Dept	PLC Software Engineer	2
		High Pressure Control Engineer	5
		Low Pressure Control Engineer	4
		mechanical Engineer	4
		R & D Engineer	4
		Electrical Engineer	6
	Production Dept	87	
 Sales	Installation Dept	14	
	After-Sale	12	
	QC Dept	10	
	Sales Dept	37	
 Operation	Marketing	8	
	Logistic Dept	6	
	Account Dept	4	
	HR Dept	5	
	Administration Dept	7	

Enterprise Advantages



INTEGRATE R&D, MANUFACTURING,
OPERATION AND MAINTENANCE,
AND AFTER-SALES SERVICE.



LOW POWER CONSUMPTION,
ENVIRONMENTAL PROTECTION.



STABLE EQUIPMENT OPERATION



RESPOND QUICKLY TO
AFTER-SALES SERVICE.



SAFE AND STANDARDIZED
CONSTRUCTION.



EQUIPMENT INSURANCE MAKES
OPERATION MORE ASSURED.

Technical Strength



DESIGN AND DEVELOPMENT



LASER CUTTING



THE CNC MACHINING



HOT DIP GALVANIZING TREATMENT



PENSU PROCESSING



WELDING

Technical Strength



PUMP PARTS ASSEMBLY



MAIN CONTROL BOX ASSEMBLY



PUMP BOX ASSEMBLY



MILLING, WIRE CUTTING



ELECTRICAL APPLIANCE CABINET



THE WHOLE MACHINE COMMISSIONING

Ten Core Technologies



Full intelligent unmanned operating system
24 hours automatic car washing



Embedded quick air drying system



Adjustable mounting frame



Intelligent anti-collision system



Intelligent frequency conversion system



Intelligent three-dimensional detection system



Fault self-checking system



Software architecture for sustainable upgrades



Zone pressure regulating system



Intelligent liquid matching system

Enterprise Certification



European Authoritative CE Certification



ISO9001:2015

Enterprise Certification (Some Patents and Copyrights)

20⁺

Certificate Of Utility Model Patent

Anti-shake, easy to install, non-contact new car washing machine

Certificate Of Utility Model Patent

Soft protection car arm for solving scratched car

Certificate Of Design Patent

Automatic car washing machine

Certificate Of Utility Model Patent

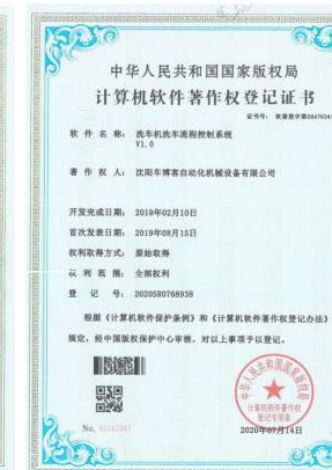
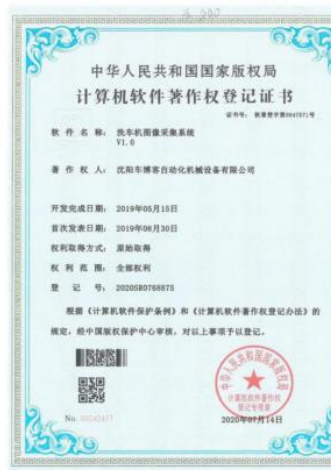
Winter antifreeze system of car washing machine

Certificate Of Utility Model Patent

Anti-overflow and anti-collision automatic car washing arm

Certificate Of Utility Model Patent

Anti-scratch and anti-collision system during operation of car washing machine





Mission

Beyond technology, manufacturing high stability products.



Vision

To be the No.1 brand in car wash equipment industry.



Value

Honesty and Reliability



Type Of Car Wash Equipment



Touchless Car Wash Equipment



Brush Type Car Wash Equipment

Operation Steps Non-contact



1 High pressure cleaning of chassis and hub



2 Energy-saving intelligent rotary spraying car wash liquid



3 360 intelligent rotary spraying shampoo



4 360 intelligent rotary and high-pressure flushing



5 Bright color crystal wax coating protection



6 Embedded quick air-drying system

Operation Steps

Brush type



- ✓ High pressure cleaning of chassis and hub
- ✓ Energy-saving intelligent rotary spraying car wash liquid
- ✓ Automatic cross - brush rolling brush
- ✓ 360 intelligent rotary spraying shampoo
- ✓ 360 intelligent rotary and high pressure flushing
- ✓ Bright color crystal wax coating protection
- ✓ Embedded quick air drying system

Product Features



360°

Spray the car wash foam at 360°.

60

Complete 360° rotating within 60 seconds.

Auto

Automatic computer control operation.

120

Up to 120bar high pressure water can easily remove the dirt.



Ultrasonic precise positioning.



Unique embedded fast air drying system.

Product Superiority



1. Separation of water and foam

The working environment of the car washer is very harsh and humid. No electrical appliances are exposed to the outside of our mainframe rack. This ensures safety and reduces failures.

2. Separation of water and electricity

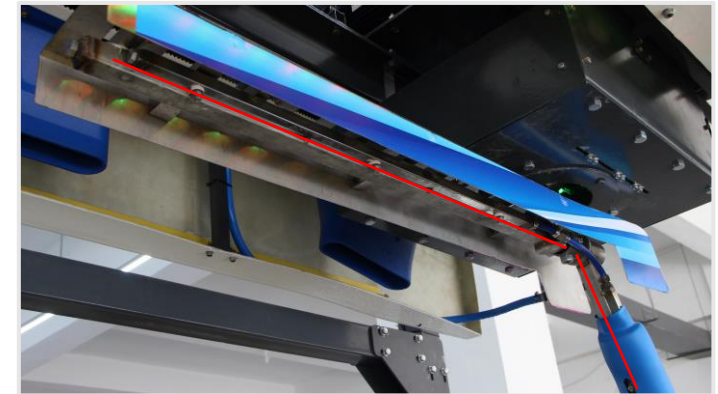
This is a patent of our product, which has two advantages:

1)Energy saving

After the foam is sprayed, the residual foam in the pipeline is wasted. The single foam tube we designed is more than 2/3 less wasteful than the ordinary car washing machine.

2)Increase stress

The spraying water is a separate pipeline, so that there is no intersection between the spraying pipeline and the foam branch, we can maximize the water pressure to improve the cleanliness. Other car washing machine spray pipes and foam pipes have intersections. If the water pressure is maximized, the intersection will be damaged. If the pressure is not reduced, it will inevitably cause some failures. You can measure the actual spray pressure by installing a pressure gauge at the boom nozzle, and we can achieve 100 kg.



3.High Pressure water pump

The spraying water is a separate pipeline, so that there is no intersection between the spraying pipeline and the foam branch, we can maximize the water pressure to improve the cleanliness. Other car washing machine spray pipes and foam pipes have intersections. If the water pressure is maximized, the intersection will be damaged. If the pressure is not reduced, it will inevitably cause some failures. You can measure the actual spray pressure by installing a pressure gauge at the boom nozzle, and we can achieve 100 kg.

Product Superiority



4. Adjust the distance between the mechanical arm and the car

The width of the car is measured by the photoelectric sensor, and the distance between the robot arm and the car body is adjusted to always maintain 35 cm, and the high pressure can be better maintained to clean the dirt on the car body.

5. Flexible Wash Programming

For each pass, the following parameters are programmable:

- Wash function
- Speed (normal or slow)
- Stopping point
- Dwell time
- Soak time(The wheel hub can be washed under high pressure during the soaking process)



6. Uniform speed, uniform pressure, uniform distance

The design of the nozzle and the cooperation of the robot arm ensure that every corner of the car body receives the same pressure, high pressure option for a unique spray-pattern and high pressure pump stand that reduces noise and vibration by more than 50%.

Main Configuration Non-contact

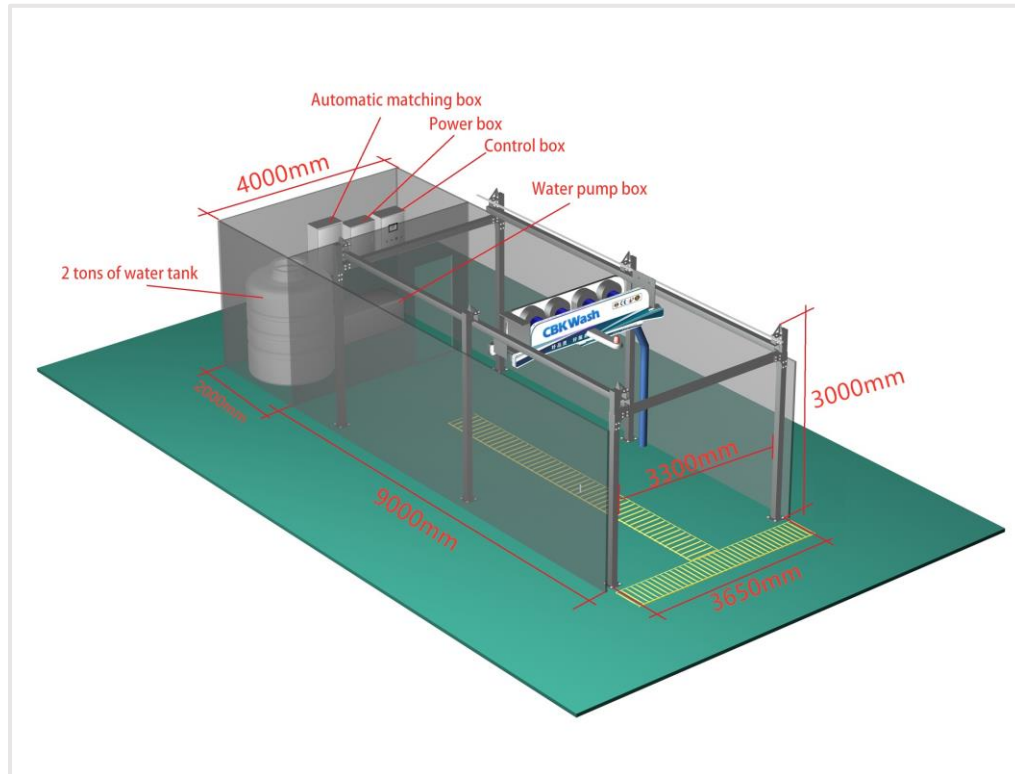


308 Touchless car wash equipment

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



Parameters

CBK308

Warranty	3 years
Appearance size of equipment	L7.75*W3.7*H3.2(M)
Venue Size	L8*W4*H3.3(M)
Ground Concrete Thickness Of The Site	More than 15 cm and be horizontal
Water Pump	GB 6 Motor 15KW/380V
Air-drying motor	Four 5.5KW motors/380V
Pump pressure	100KG/CM ²
Standard water consumption	90-140L/Car
Standard power consumption	0.5-1.2 kWh
Standard chemical liquid consumption	20ML-150ML adjustable
Rail length	7.5M
Total power	15KW+22KW
Total Weight	1600-2300KG
Shipping volume	11CBM
Power Requirement/ Customize	22KW、380V/Customize

Technical Parameters

Main Configuration

Brush type



HCHZ-518B Bus wash equipment

Main Configuration	Unit	QTY
Main Structure (Stainless Steel)	Set	1
Computer Control System	Set	1
Electric Distribution System	Set	1
Pneumatic Control System	Set	1
Arm Type Large Standing Brush	Piece	2
Lifting Horizontal Brush	Piece	1
High Pressure Water Spray System	Set	1
Foam Wax Spray System	Set	1
Man-Machine Operating System	Set	1
Remote Control Operating System	Set	1

Main Parameters

Brush type



Technical Parameters

Parameters	Brush type
Appearance Size Of Equipment	L6.5*W3.5*H3(M)
Installation Size	L6.5*W3.5*H3(M)
Power Requirement	15KW/380V/Customize
Cable Requirement	National standard copper wire 10(mm2)
Installed Capacity	16KW
Water Source Requirement	One PPR pipe diameter DN32
Standard Water Consumption	90L/Car
Standard Power Consumption	0.5 kWh
Chemical Liquid	20ML

Core Parts



HMI



Frequency Converter



Hybrid Stepper Servo Driver



PLC Control System



Variable Frequency Motor



Proximity Switch

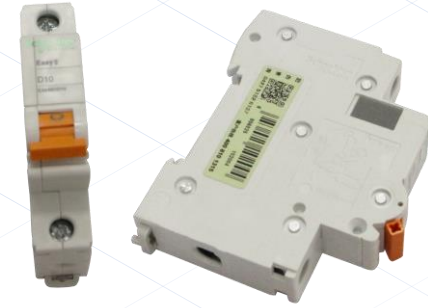
Core Parts



Ultrasonic Sensor



High Pressure Water Pump



Breaker



NSK Bearing

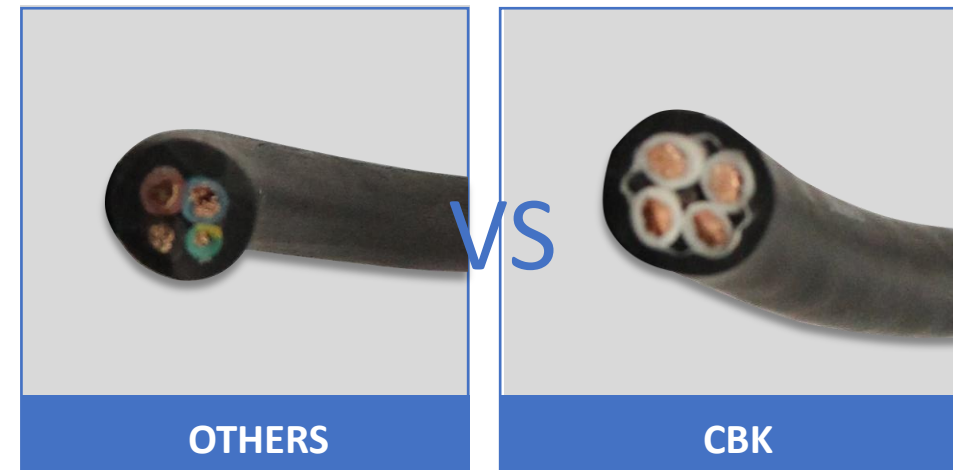
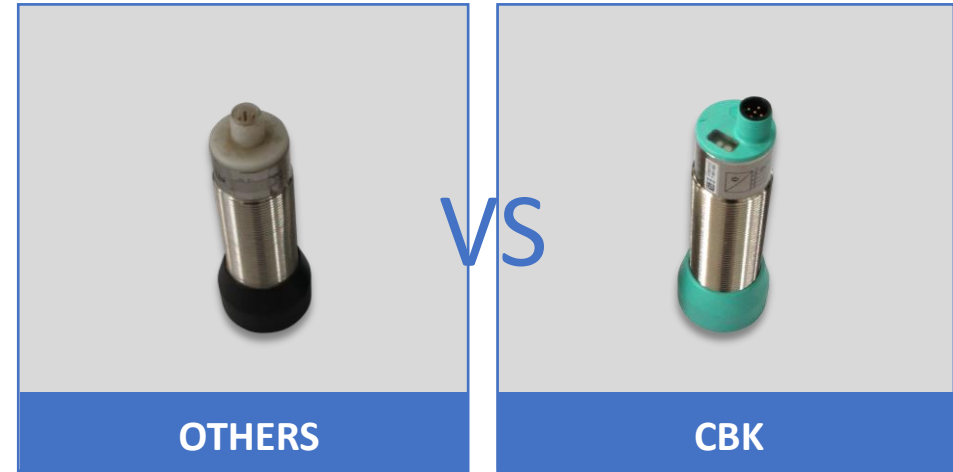
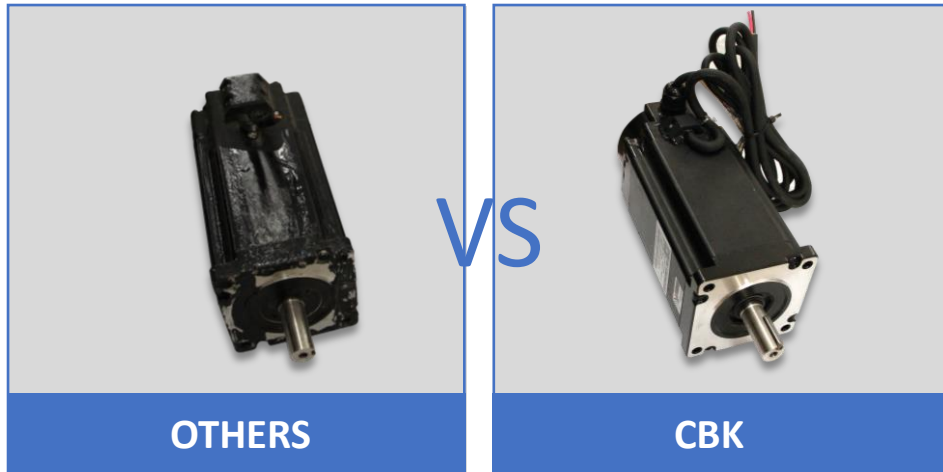


Proportioning System



The Photoelectric Corelation

Detail Comparison



Application

The application areas of our car washing machine

Include cleaning household cars, cleaning motorcycles, medical vehicles that need to be disinfected and cleaned, cleaning high-speed railways, subways, and large trucks, etc.



Premium Car



Ambulance

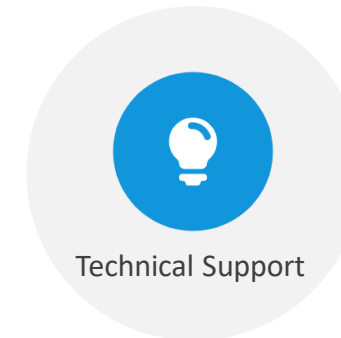
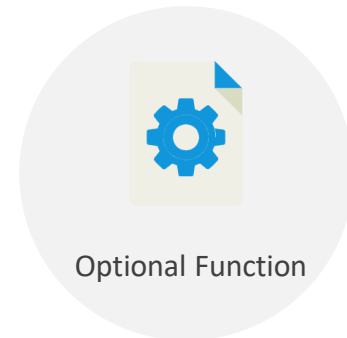
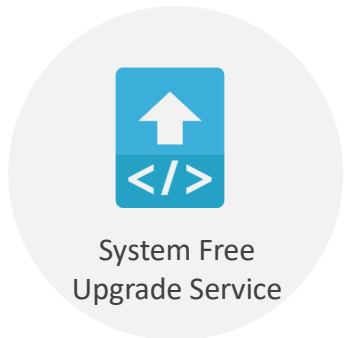
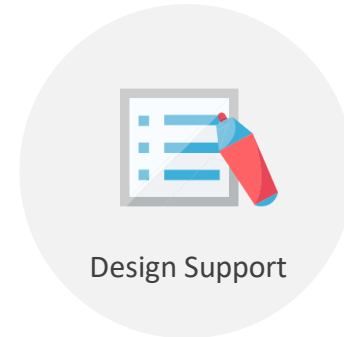
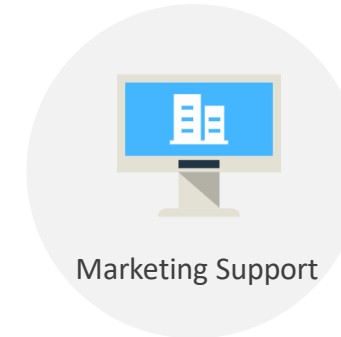
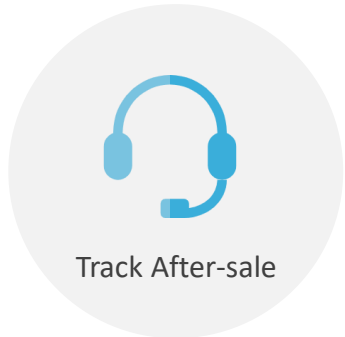
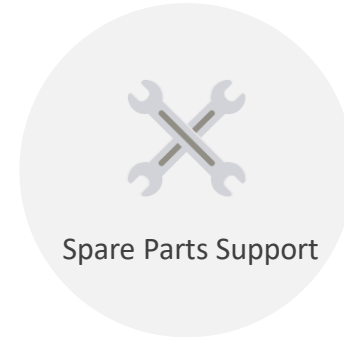
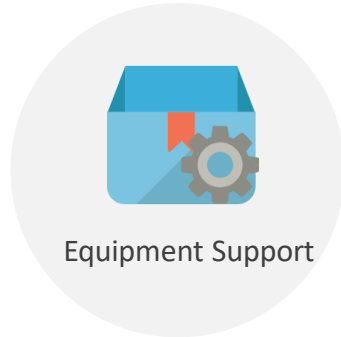
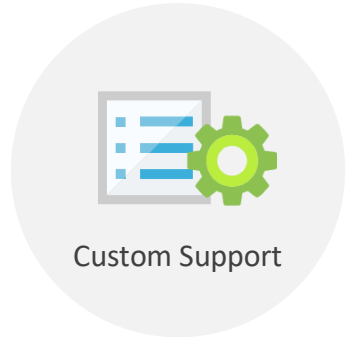


Truck



High-speed Train

Policy Support



CONTACT US

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