

Touchless Car Wash Equipment

CBK 008



1. 3 Type Of Automatic Chemical Mixing System



2. Parking Guidance System



3. Frequency Conversion System





All Functions

1	High pressure pre-wash for under chassis and wheels	9	Automatic chemical mixing system
2	360°rotating spray and wipe-free car washing liquid	10	LED arrow text remind system
3	Frequency conversion system	11	Parking guidance system
4	High pressure flush standard/powerful free switching	12	Indicating parking range
5	360°degree horizontal spray Water wax coating	13	Automatic detection of vehicle length
6	Auto standby function	14	Intelligent electronic collision avoidance
7	Program customization	15	Mechanical hardware collision avoidance
8	Colorful light	16	Security alarm system

Main Function Introduction

Features	Instruction
Flush chassis and hubs system	Equipped with the function of cleaning the chassis and wheel hub, the nozzle pressure can reach 8-9 MPa.
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.
High pressure flushing (standard/strong)	The water pressure of the water pump nozzle can reach 10MPa, and the robot arms of all equipment wash the body at a constant speed and pressure. Two modes (standard/power) can be selected.
Water wax coating	A macromolecular chloride is generated in the car body, which plays a role in preventing acid rain, pollution, and ultraviolet rays.
Oil free (reducer 、 bearing)	Equipped with NSK bearings originating in Japan as standard, which is oil-free and fully sealed, and is maintenance-free for life.
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.
Intelligent electronic collision avoidance system	Carry out vehicle cleaning under the premise of ensuring safety, and carry out safety protection for various emergencies.
Parking guidance system	Guide the vehicle to park by reminding lights to avoid danger.
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.

Main Function Introduction

Features	Instruction
Remote control	Through the Internet of Things technology, complete remote startup, shutdown, reset, diagnosis, upgrade, operation, remote liquid level monitoring and other operations.
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%.
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.
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.
A free upgrade	The program version is free to upgrade for life, so that your car washing machine will never be outdated.
Strengthen the front and rear washing	The German PINFL high-pressure industrial water pump is used to ensure that the nozzle water pressure reaches 10MPa, which can truly achieve high-pressure washing and sweep stubborn stains.
Separation of water and electricity	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.
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.
Direct drive system	The use of new direct drive technology has greatly improved the energy saving, safety and stability of the equipment.

Main Function Introduction

Features	Instruction
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.
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.

Main Configuration Non-contact



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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	CBK108
Warranty	3 years
Appearance size of equipment	L6.8*W3.65*H3(M)
Installation Size	L7.0*W3.8*H3.1(M)
Ground concrete thickness of the site	More than 15 cm and be horizontal
Water Pump	GB 6 Motor 15KW/380V
Pump pressure	10 MPa
Standard water consumption	90-140L/Car
Standard power consumption	0.5-0.8 kWh
Standard chemical liquid consumption	20ML-150ML (Adjustable)
Rail length	6.0M
Total power	15KW
Total Weight	1250KG
Shipping volume	8CBM
Power requirement	15KW、380V/Customize

Optional Function

Optional Function	Instruction
24 Hours Self-Service Online Payment	Equipped with a mobile phone scan code payment system, in the case of unattended, car owners can scan the code to pay for self-service car wash, and choose the car wash mode and price in the program. The car wash shop can be unattended 24 hours a day.
Fast Automatic Lifting Door	When the vehicle enters or exits, the safety door will automatically rise and fall quickly, which can save time.
Water Treatment System	The sewage can be recycled and reused, and the sewage treatment system can also be customized according to the local national wastewater discharge standards.
One Button Emptying Of Sprinkler Pipes And Foam Pipes	Can drain the residual liquid in the pipeline, in order to prevent the pipeline from being unusable due to low temperature freezing.
Works When The Power Is Turned Off	If there is a sudden power failure, the continuous working mode will be activated to prevent the vehicle from being trapped during the cleaning process.
Remote Control	Intergrating the latest cutting-edge technologies such as Internet of things, can realize remote start, close, reset, diagnosis and other operations.

Core Parts



HMI



Frequency Converter



Hybrid Stepper Servo Driver



PLC Control System



Variable Frequency Motor



Proximity Switch

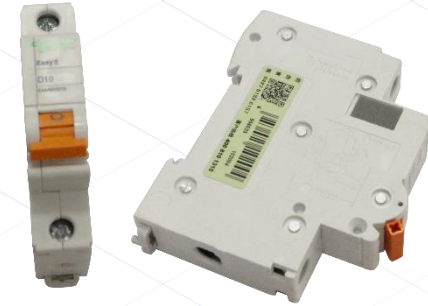
Core Parts



Ultrasonic Sensor



High Pressure Water Pump



Breaker



NSK Bearing

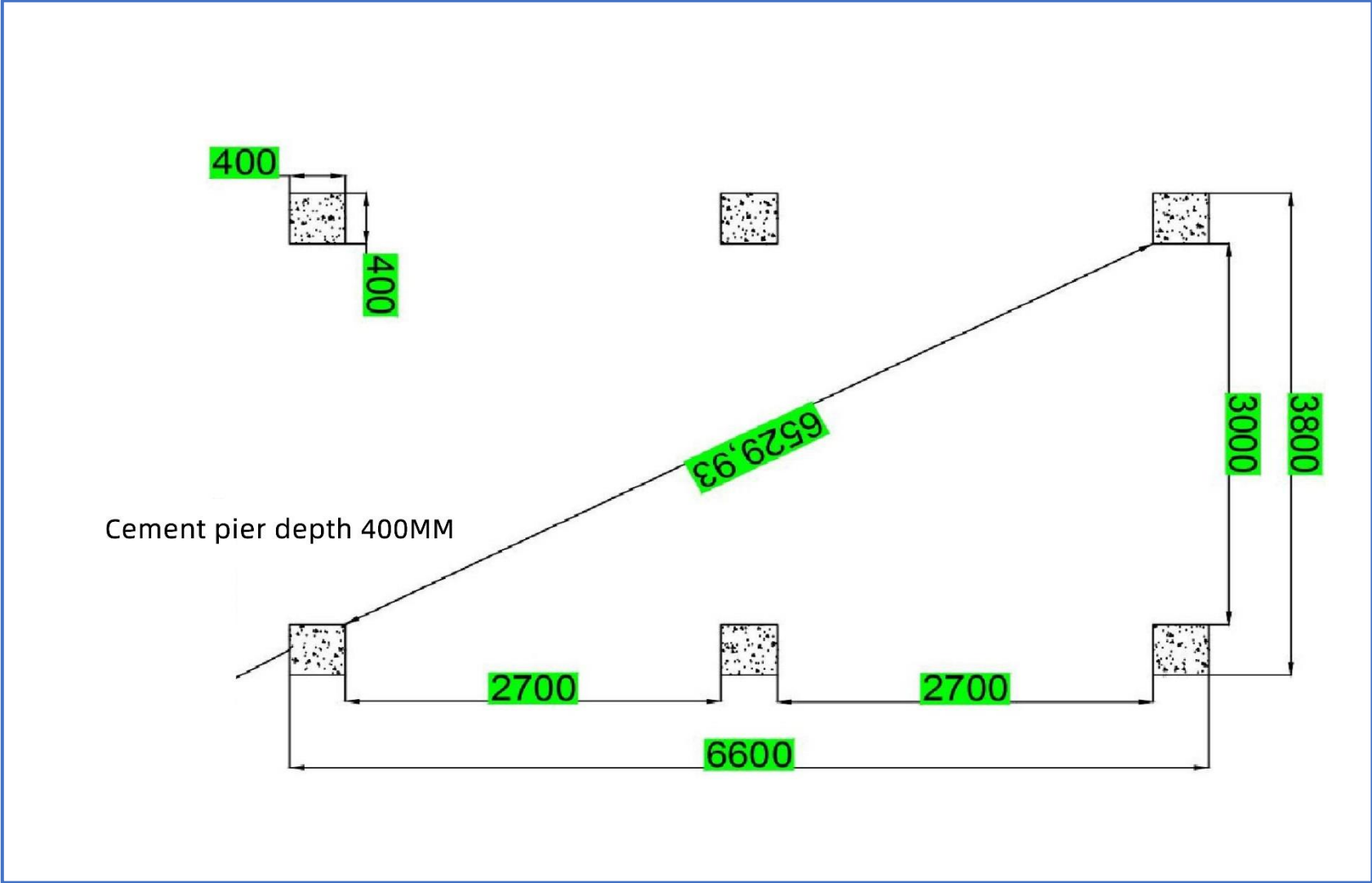


Proportioning System

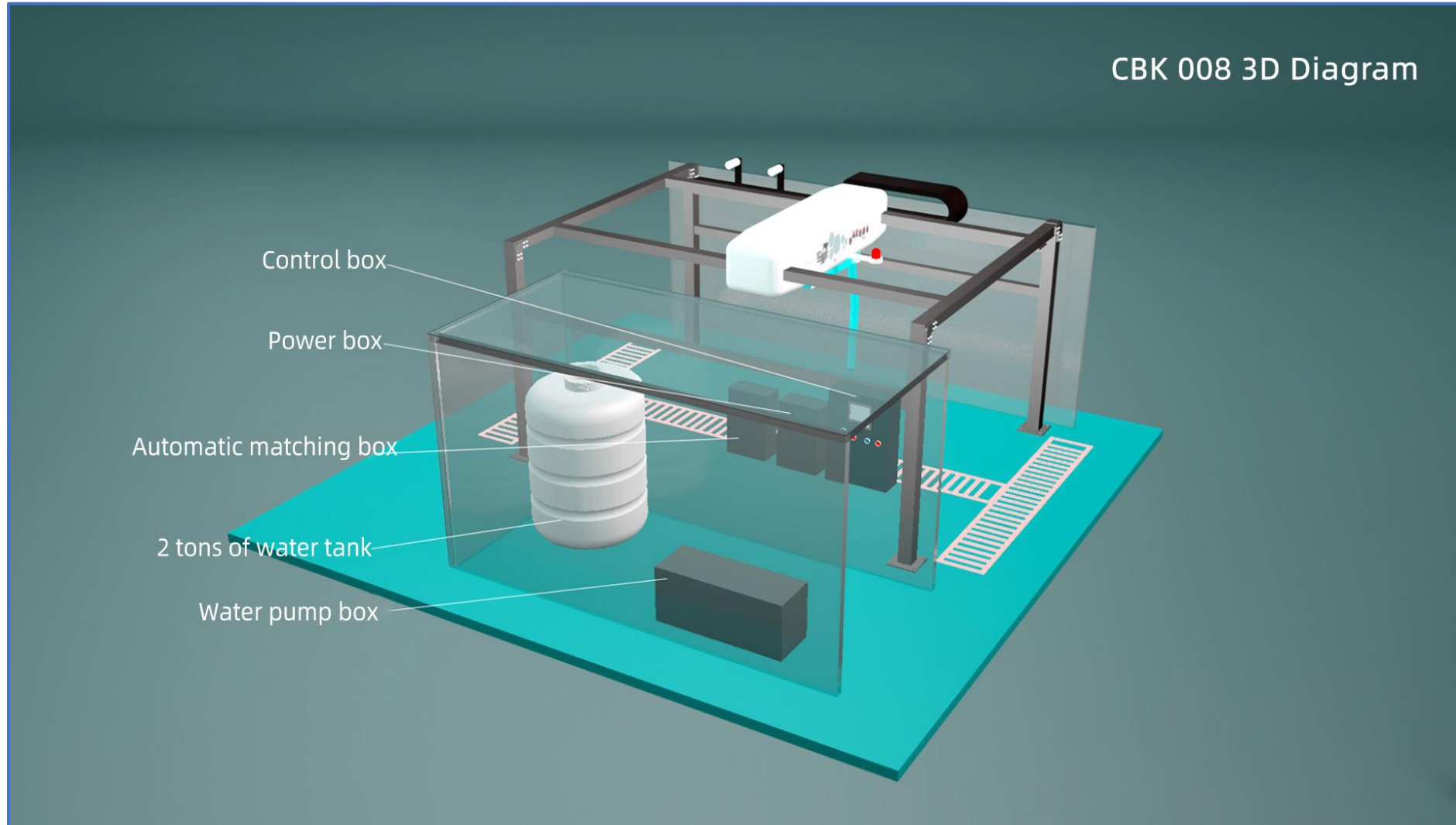


The Photoelectric Correlation

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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