

RAMLER

Car Wash Machine



AUTOMATIC CAR WASH MACHINE

Automatic Car Wash Machine, or Automatic Car Washing Machine, is a system designed to clean vehicles automatically without the need for direct human intervention. Automatic car wash machines typically consist of a series of brushes, high-pressure water sprays, drying systems, and automatic controls.



HIGH QUALITY



SAVE ENERGY



EASY OPERATION



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HIGH QUALITY



SAVE ENERGY



EASY OPERATION



SPECIFICATION

Model	5 Brushes Rollover type S1		
Machine Size (m)	L2.2*W3.6*H2.9	Water Wax Consumption	10ML/Car
Max. Car Size (m)	L6*W2.1*H2.1	Electricity Consumption	0.6KWH/Car
Installation Size (m)	L11*W3.7*H3.1	Power Supply	380V/50HZ-20KVA
Fan Drying Motor	4 groups*5.5KW	Power	25KW
Wash Time	2.5-5min/Car	Top Brush	1 pc
Water Consumption	60-80L/Car	Big Vertical Brush	2 pc
Foam Consumption	60-80L/Car	Skirt Brush	2 pc
Suitable Cars	Sedans/SUV/MPV, etc.		



ROLLOVER TYPE

5 BRUSHES ROLLOVER TYPE S3



HIGH QUALITY



SAVE ENERGY



EASY OPERATION

SPECIFICATION

Model	5 Brushes Rollover type S3		
Machine Size (m)	L2.85*W3.85*H3	Water Wax Consumption	10ML/Car
Max. Car Size (m)	L6*W2.1*H2.1	Electricity Consumption	0.6KWH/Car
Installation Size (m)	L11*W3.8*H3.1	Power Supply	380V/50HZ-20KVA
Fan Drying Motor	4 groups*5.5KW	Power	25KW
Wash Time	2.5-5min/Car	Top Brush	1 pc
Water Consumption	60-80L/Car	Big Vertical Brush	2 pcs
Foam Consumption	10ML/Car	Skirt Brush	2 pcs
Suitable Cars	Sedans/SUV/MPV, etc.		





HIGH QUALITY



SAVE ENERGY



EASY OPERATION



SPECIFICATION

Model	5 Brushes Rollover type S9		
Machine Size (m)	L2.41*W3.7*H2.9	Water Wax Consumption	10ML/Car
Max. Car Size (m)	L6*W2.1*H2.1	Electricity Consumption	0.6KWH/Car
Installation Size (m)	L11*W3.7*H3.1	Power Supply	380V 50HZ 20KVA
Fan Drying Motor	4 groups*5.5KW	Power	25KW
Wash Time	2.5-5min/Car	Top Brush	1 pc
Water Consumption	60-80L/Car	Big Vertical Brush	2 pcs
Foam Consumption	10ML/Car	Skirt Brush	2 pcs
Suitable Cars	Sedans/SUV/MPV, etc.		



TUNNEL TYPE



7 BRUSHES TUNNEL TYPE Q7



9 BRUSHES TUNNEL TYPE Q9



7 BRUSHES TUNNEL TYPE Q11



9 BRUSHES TUNNEL TYPE Q14

SPECIFICATION

Model	7 Brushes Tunnel type Q7	9 Brushes Tunnel type Q9	11 Brushes Tunnel type Q11	14 Brushes Tunnel type Q14
Machine Size (m)	L10*W4*H3	L12.5*W4*H3	L15*W4*H3	L17.5*W4*H3
Max. Car Size (m)	L≤ unlimited*W≤2.3*H≤2.1			
Installation Size (m)	L22xW4.5xH3.2	L24xW4.5xH3.2	L27xW4.5xH3.2	L30xW4.5xH3.2
Suitable Cars	Sedans, SUVs, MPV, etc			
Wash Time	1.5-3 min/car	1.5-3 min/car	1.5-3 min/car	1.5-3 min/car
Water Consumption	80-150L/car	80-150L/car	80-150L/car	80-150L/Car
Foam Consumption	7ML/Car	7ML/Car	7ML/Car	7ML/Car
Water Wax Consumption	12ML/Car	12ML/Car	12ML/Car	12ML/Car
Electricity Consumption	0.6KWH/Car	0.6KWH/Car	0.6KWH/Car	0.6KWH/Car
Power Supply	380V/50Hz/20KW	380V/50Hz/21KW	380V/50Hz/22KW	380V/50Hz/20KW
Fan Drying Motor	SIX Groups drying motor: 45KW			
Top Brush	1	1	1	1
Big Vertical Brush	4	4	4	4
Skirt Brush	2	4	4	4
Horizontal Wheel Brush	/	/	2	2
Dry brush				3



HIGH QUALITY



SAVE ENERGY



EASY OPERATION

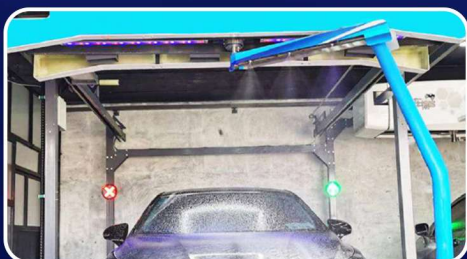


INTRODUCTION

A touchless car wash machine is designed to clean vehicles without the need for direct physical contact with the car's surface. This touchless car wash machine employs advanced technology, such as sensors and image processing systems, to identify and remove dirt from the vehicle without direct physical contact. The machine utilizes sophisticated features to detect the dimensions of the vehicle and pinpoint areas requiring cleaning. High-pressure water and soap sprays, along with automated processes, are used to clean the vehicle effectively without the risk of damaging the car's paint or surface.

SPECIFICATION

Model	Touch Free type K6		
Machine Size (m)	L7.75*W3.7*H3.2	Foam Consumption	20-150ML
Max. Car Size (m)	L5.6*W2.6*H2.0	Water Wax Consumption	20-150ML
Installation Size (m)	L8*W4*H3.3	Electricity Consumption	0.5-0.8KWH/Car
Fan Drying Motor	3 groups*4KW	Power Supply	380V/50HZ
Wash Time	2-5min/Car	Water Pump Motor Power	15KW
Water Consumption	90-140L	Suitable Cars	Sedans, SUVs, MPV, etc.



TOUCHLESS TYPE

TOUCH FREE TYPE K9



HIGH QUALITY



SAVE ENERGY



EASY OPERATION

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SPECIFICATION

Model	Touch Free type K9		
Machine Size (m)	L7.75*W3.7*H3.2	Foam Consumption	20-150ML
Max. Car Size (m)	L5.6*W2.6*H2.0	Water Wax Consumption	20-150ML
Installation Size (m)	L8*W4*H3.3	Electricity Consumption	0.5-0.8KWH/Car
Fan Drying Motor	4 groups*5.5KW	Power Supply	380V/50HZ
Wash Time	2-5min/Car	Water Pump Motor Power	15KW
Water Consumption	90-140L	Suitable Cars	Sedans, SUVs, MPV, etc.





HIGH QUALITY



SAVE ENERGY



EASY OPERATION

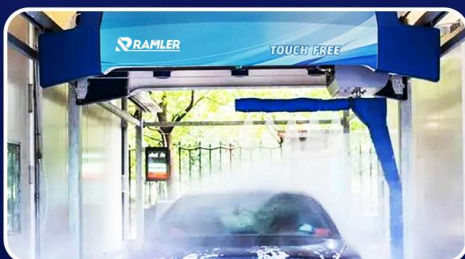


INTRODUCTION

A touchless car wash machine is designed to clean vehicles without the need for direct physical contact with the car's surface. This touchless car wash machine employs advanced technology, such as sensors and image processing systems, to identify and remove dirt from the vehicle without direct physical contact. The machine utilizes sophisticated features to detect the dimensions of the vehicle and pinpoint areas requiring cleaning. High-pressure water and soap sprays, along with automated processes, are used to clean the vehicle effectively without the risk of damaging the car's paint or surface.

SPECIFICATION

Model	Touch Free type Z9		
Machine Size (m)	L8*W3.7*H3.4	Foam Consumption	20-150ML
Max. Car Size (m)	L5.6*W2.6*H2.0	Water Wax Consumption	20-150ML
Installation Size (m)	L8*W4*H3.5	Electricity Consumption	0.5-0.8KWH/Car
Fan Drying Motor	4 groups*5.5KW	Power Supply	380V 50HZ
Wash Time	2-5min/Car	Water Pump Motor Power	18KW
Water Consumption	90-140L	Suitable Cars	Sedans, SUVs, MPV, etc.



BUS / TRUCK WASH MACHINE

GANTRY/ROLLOVER BUS/TRUCK WASH MACHINE



HIGH QUALITY



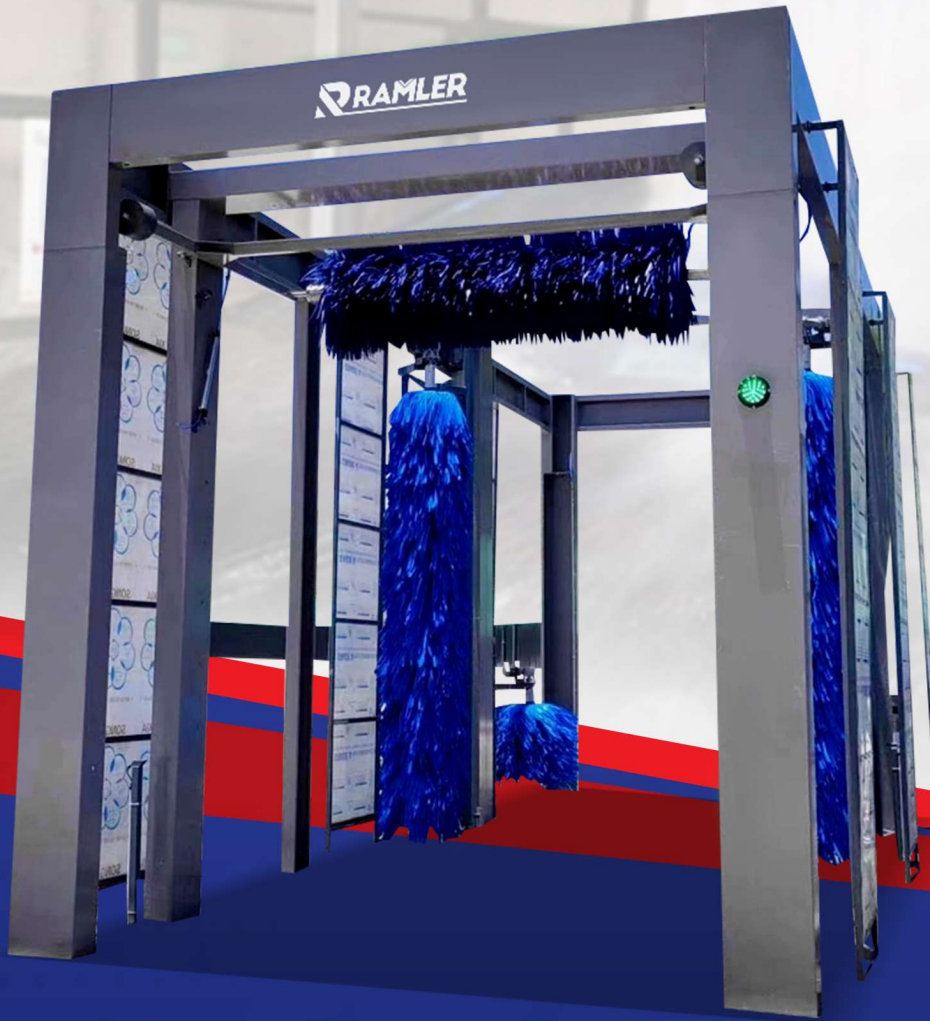
SAVE ENERGY



EASY OPERATION

SPECIFICATION

Model	R3	R5
Machine Size (m)	L*W*H: 2500*4500*5500mm	L*W*H: 4500*4500*5500mm
Max. Vehicle Size (m)	L*W*H: 14000*3000*4500m	L*W*H: 14000*3000*4500m
Installation Size (m)	L*W*H: 18000*6500*5700mm	L*W*H: 21000*6500*5700mm
Suitable Washing mode	Various types of Bus, Truck, Train carriage etc.	
Wash Time	3-5 minutes per vehicle	
Water Consumption	150L-200L per vehicle	
Foam Consumption	25-30ML per vehicle	
Electricity Consumption	0.5KWH per vehicle	
Machine Power	10KW	11KW
Power Supply	3-phase,5 wires 380V/50HZ	
Average washing quantity	15-20 vehicles/ hour	
Top Brush	1	1
Big Vertical Brush	2	2
Skirt Brush	/	2



HIGH QUALITY



SAVE ENERGY



EASY OPERATION

SPECIFICATION

Model	T4	T5	T6
Machine Size (m)	L*W*H:8000*5000*5300mm	L*W*H:12000*5000*5300mm	L*W*H:18000*5000*5300mm
Max. Vehicle Size (m)	L(Limited)*W*H:3000*4200mm	L(Limited)*W*H:3000*4200mm	L(Limited)*W*H:3000*4200mm
Suitable Washing mode	Various types of Bus, Truck, Train carriage etc.		
Wash Time	2-3 minutes per vehicle		
Water Consumption	150L-200L per vehicle		
Foam Consumption	25-30ML per vehicle		
Electricity Consumption	0.5KWH per vehicle		
Machine Power	19KW	35KW	45KW
Power Supply	3-phase,5 wires 380V/50HZ		
Average washing quantity	20-30 vehicles / hour		
Top Brush	Customized	1	Customized
Big Vertical Brush	2	2	4
Skirt Brush	2	2	2

Main Parts Brand and Place of Origin

Name	Brand	Specification	Place of Origin
Control System PLC	Relay	FX3U-80MR/ES-A	Japan
Photoelectric Sensor	Banner	S186E/S18SN6R	America
Proximity Switch	Pepperl+Fuchs	M12/M18/M30	Germany
Frequency Converter	Siemens	6SL3210-5BE17-5UVO	Germany
AC Contactor	Siemens	3RT6016-1AN22/3RT6018-1AN22	Germany
Heat Protector	Siemens	3RU6116-1AB0/1CB0/1GB0/4AB0	Germany
Switching Power Supply	Mean Well	RSP-320-24	Taiwan
Terminal Blocks	Weidmuller	UK-6N/UK-5N	Germany
Terminal Blocks	Nanou	UKK5	Zhejiang
Pneumatic Electromagnetic Valve	AirTAC	4V210-08-B terminal type DC24V PT	Taiwan
Waterproof Motor Reducer	SITI/ASJ	1 : 50/1 : 60/1 : 15 /1 : 30-0.37---1 : 60-0.55	Italy/China
Fan	Yongcheng	5.5KW	Guangdong
Water Pump	Dayuan	3-96	Zhejiang
Brush	Mairun	L450*150*T3.8/L520*150*T3/L520*150*T3.8	Xiamen
Current Detector	Qidian	MK1526 AC0-5A/4-20MA power supply 24V	Anhui
Signal Isolator	Qidian	GLK-11 /4-20MA/4-20MA power supply 24V	Anhui
Solenoid Valve for Water	Yongchuang	YCD21-15GBN-S91B	Ningbo
Touch Display Screen	Weinview	MT6071iE	Taiwan
Air Cylinder	AirTAC	M32*125	Taiwan
Relay	Weidmuller	DRM270024L	Germany



EVA SOFT BRUSH

-Brush self cleaning technology
no water, no dust, no sand
-Not easy to deform Soft without
damaging car paint



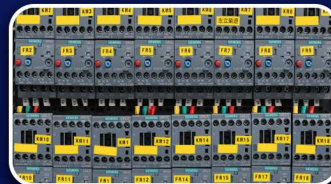
BIG POWER FAN DRYER

4*5.5KW high pressure drying
Quick drying, ash deposition
Low failure rate., long life time



WATERPROOF REDUCTION MOTOR

-Well know brand motor full
enclosed integrated design
-Waterproof grade IP68 life time
20 years



SIEMENS CONTROL SYSTEM

Germany Siemens famous brand
System is stable
With low failure rate
Long service life



WATERPROOF REDUCTION MOTOR

-Well know brand motor full
enclosed integrated design
-Waterproof grade IP68 life time
20 years



STAINLESS STEEL PIPE & NOZZLE

304 stainless steel
High pressure resistant
Corrosion prevention
Rust prevention, durability

Main System		Main System	
1	Integral hot-dip galvanized steel main frame	15	Intelligent profiling current top brush system
2	Module design, mortise and tenon structure	16	New rack drive unobstructed arm side system
3	Coupling conversion transition rotation system	17	High quality anti rubbing pipe wire/ stainless steel fittings
4	Specially thickened bearing, precision rotating chain	18	Pressure resistant and flexible high pressure water pipe
5	International famous brand electric and pneumatic system control center	19	LED signal light and display system
6	Triple photoelectric protection 180 degree touch anti-collision Technology	20	Anti freezing and drainage function in winter
7	22KW fixed air drying fan	21	Free switching function of multiple wash modes
8	Intelligent variable frequency speed control	22	Automatic high pressure water system
9	Intelligent proportioning of foam and water wax	23	Water circulation system
10	HD large screen embedded touch screen operation interface (central control and operating system)	24	Self protection system
11	Bonner photoelectric detection system	25	Intelligent anti-collision system
12	High performance Siti waterproof motor, reducer	26	Fault alarm and automatic processing system
13	Silent stainless steel high pressure centrifugal pump	27	Remote control parts operating system
14	Stainless steel waterproof sealing walking wheel	28	Emergency stop system of the whole machine

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