



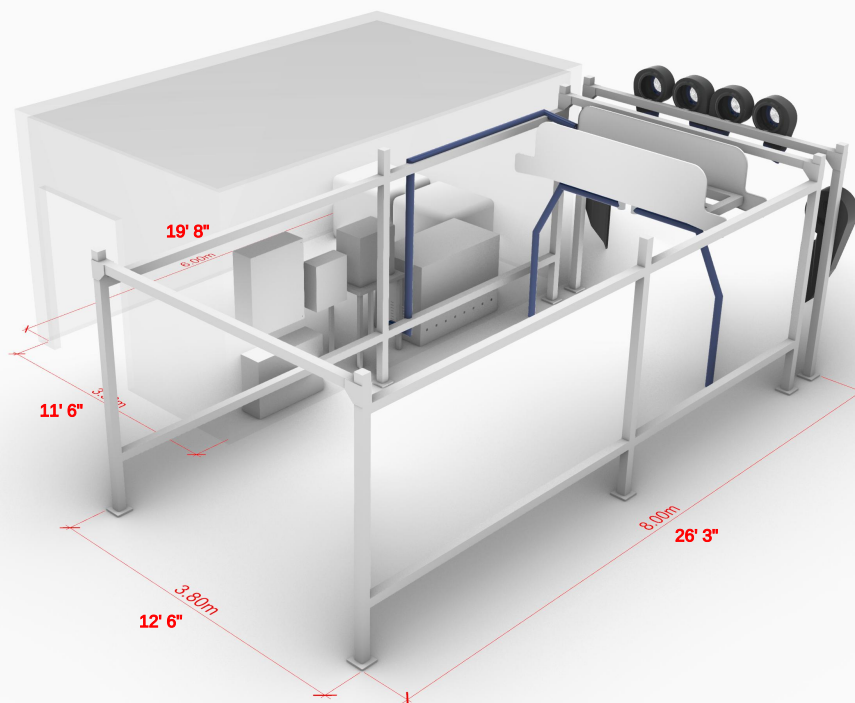
CAROLINA SHINE EQUIPMENT

TOUCH FREE SERIES BROCHURE

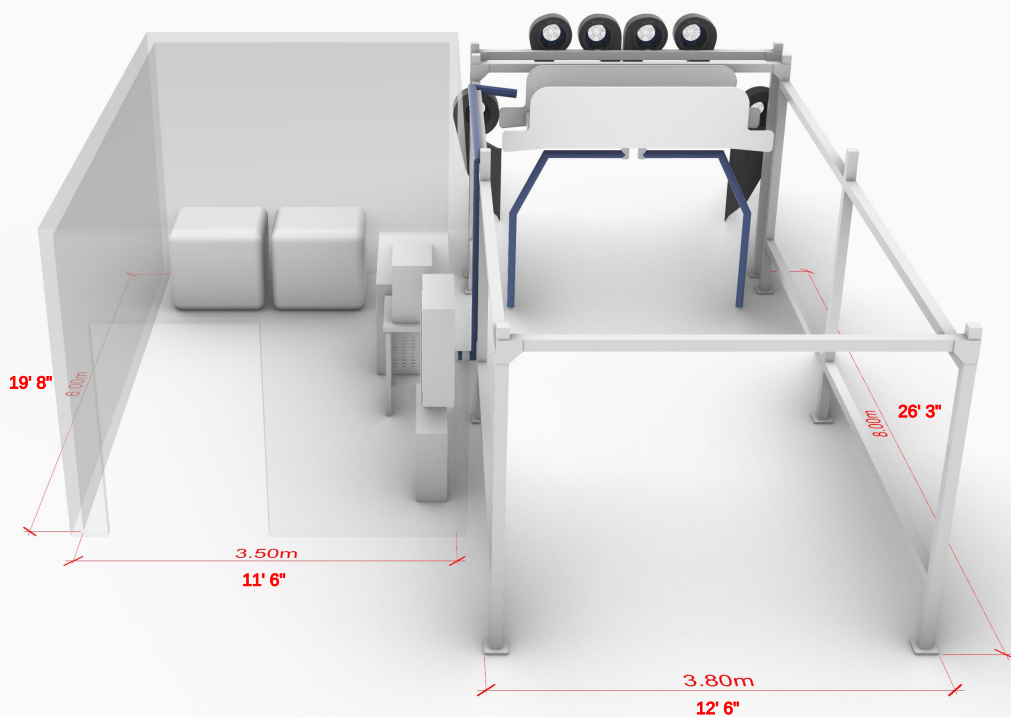
- TSUNAMI DUAL ARM LED

TOUCH FREE CAR WASH

Touch Free Car Wash Machine with Dual LED Arms 3D Diagramm - 1



Touch Free Car Wash Machine with Dual LED Arms 3D Diagramm - 2



Touchless Car Wash Machine with Dual LED Arms

Specifications & Technical Data	
Applicable cars models	Sedans, SUVs, MPV, 4x4 etc.
Working Configuration	- Program customization - Chassis & tire pre-wash system - Automatic chemical mixing system - Security alarm system - Car wash quantity summary (total/interval) - Fault alarm and record - Pre-soak application system - High pressure wash system - Triple-foam system - Lava foam waterfall - Wax application system - Reverse Osmosis Water application system - Integrated air drying system - Mounting frames - Two sets of Water pump (PINFL PT45+22KW motor)
Installation Space (ft)	L29.5ft * W12ft * H10.8ft
Machine dimension (ft)	L25ft * W11.75ft * H10.5ft
Max. Car Washing Size (ft)	L22.9ft * W7.87ft * 7.2ft
Water pump power	Two sets of PINFL brand, 6-stage motor: 22kw/380v
Water pump pressure	100KG/CM ²
Air dryer power	7.5kw*6 groups /380v
PLC system	Japan Mitsubishi
Wash Speed	2-6 minutes/car
Water Consumption	150-250L/car
Water supply pipe	DN25
Shampoo consumption	about 20-150ml per one liquid per one car (adjustable)
Electricity consumption	around 0.5-1.0kw/h per car

Main systems and configuration list - 1

1	High pressure pre-wash for under chassis and wheels	√
2	360°rotating spray and wipe-free car washing liquid	√
3	360°rotating spray triple foam car washing liquid	√
4	High pressure flush standard/powerful free switching	√
5	360° horizontal spray Water wax coating	√
6	Program customization	√
7	60 HP drying system	√
8	Automatic chemical proportioning system (6 Types of liquid)	√
9	3D detection	√
10	Intelligent electronic collision avoidance	√
11	Mechanical hardware collision avoidance	√
12	Program customization	√
13	One button start/stop	√
14	Colorful lights	√
15	Car wash quantity summary (total/interval)	√
16	Leakage protection	√
17	Water level monitoring and water shortage protection	√
18	Fault self-checking	√
19	Remote maintenance service	√
20	Fault alarm and record	√
21	Remote control/touch screen operation	√
22	Operation authority system	√
23	Oil free (reducer and bearing)	√
24	Frequency conversion system	√
25	Energy saving system	√
26	Direct drive system	√
27	Water and electricity separation	√
28	Hot dip galvanized frame double anticorrosive	√
29	Push-up walk system	√
30	System free upgrade service	√
31	Water foam separation	√
32	Parking guidance system	√
33	Indicating parking range	√
34	Automatic detection of vehicle length	√
35	Security alarm system	√

Main systems and configuration list - 2

36	Auto standby function	√
37	Remote control operation	√
38	Man-machine interface operation	√
39	LED prompt screen and arrow text remind system (base plastic model)	√
40	Lava foam waterfall spraying	√
41	Air compressor	√



- ◆ With two robotic arms+two high pressure pumps to ensure stable performance
- ◆ 7 adjustable chemical dosing pumps
- ◆ Foam modes: wipe free foam/triple color foam/Lava Waterfall foam
- ◆ 4 built-in washing modes and all washing steps adjustable
- ◆ Smart and flexible programe to reach best washing results with least consumption of water and foams
- ◆ Customized service:Logo/color/language

Main Parts Brand and Place of Origin

Name	Brand	Origin
Control system	Mitsubishi/Siemens	Japan/ Germany
Hybrid stepper servo driver	Leadshine	China
Proximity switch	B+F (original import)	Germany
Reducer	CITI/SSJ	Italy/China
Through-beam photoelectric sensor	Banner	America
Longitudinal timing belt	Megadyne	Italy
High-pressure water pump	PINFL	Germany
Robotic arm	Made by Shinewash	China
Water pump motor	PINFL	Germany
Mainframe Rack	Made by Shinewash	China
Mainframe Frames	Made by Shinewash	China
Air-drying motor	ShineWash Custom waterproof motor	China
Wind drum/impeller	Made by Shinewash	China
HMI	Weinview/Weon	Taiwan
High-pressure hose	Made by Shinewash	China
Drive System	Mitsubishi/Siemens	Japan/ Germany
Pneumatic hose	Shannaisi	Taiwan
Pneumatic Components	AirTAC + Shannaisi	Taiwan
Engineering drag chain	Special drag chain for high-speed CNC machine tools	China
Breaker	Schneider	France
Proportioning pump	ND	China
Super High-pressure nozzels	Made by Shinewash	China
Cable	Shanghai Jingjiu Cable	China
Rotary Joint	Made by Shinewash	China
Water pump	Dayuan	China
Strong motor start mode	Huichuan	China
Bearing	BKD	Germany
Switch	MEAN WELL	Taiwan
Ultrasonic Sensor	B+F (original import)	Germany
Wiring terminal	Delixi	China
Nozzles	Made by Shinewash	China

Service and Support

Pre sales service	After sales service
Free product proposals	Engineer on-ground installation support, maintenance, fixing and training for 6 months
Car wash machine customization (logo; payment software; package; wash procedure)	Lifelong technical support and english manual and other document provided
Construction drawing design	Three years warranty and parts free provided



● Remote fault detection

Remote online real-time detection of equipment failures can analyze the faults and solutions within seconds after car washing equipment failures. This function can be added for free, only need customer to provide a local 4G mobile phone card.

● Payment Software:

- ① Standard: button initiate
- ② Support IC card swiping, paper money and coin start-up functions at the same time. If need the local bank payment services, can be customized.