

Hangzhou Leisu Cleaning Equipment Co., Ltd

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Leisuwash DG HP Touchless Car Wash Equipment

Overview

Hangzhou Leisu Cleaning Equipment Co., Ltd. is a national high-tech enterprise specialized in research and development of automatic car wash equipment. Leisuwash constantly changes its thinking and making the designed products more professional. Innovation is the source of a product's persistence and an important guarantee for an enterprise to flourish and prosper. In past seven years, Leisuwash has continuously transformed customer needs into technological innovations on car wash machines. These innovative designs not only bring more excellent cleaning result, and also help car wash owners increase revenue.



Leisuwash DG Touchless Car Wash

Key Features

1. Contour-following high pressure rinse.
2. Contour-following air dryer.
3. Contour-following chemical application.
4. Bi-directional rotational wheel scrubbing.
5. High pressure swing side rinse. (optional)
6. Frequency conversion silent air dryer. (optional)

Functions

1. Contour-following chemical application and high pressure wash.

Washing without brushes poses a special challenge for a car wash. Leisuwash DG equipped a multi-stage chemical and high-pressure system. Automatically detect various types of vehicles and working with 35cm flushing distance and 100bar flushing pressure. A multi-stage applicator is used to apply different chemicals and therefore loosens a high amount of dirt. Contour-following and lateral high pressure ensure that the vehicle surface is cleaned thoroughly after the dirt has been loosened. We don't need to worry about any damage to the car paint, because during the cleaning process, except the cleaning fluid and high-pressure water, there is no brush contact with vehicle body.



Contouring following high pressure rinse and chemical applicator

2. Contour-following air dryer with side air dryer

Following the Leisuwash philosophy there is no great car wash without a great drying system. Leisuwash DG flow-optimized drying system provide contour-following air drying with accurately drying distance at 25cm. By optimizing the main body of the blower, the air flow loss is effectively reduced, with 16 kW of power, the premium dryer for DG ensures that cars are dry and customers are satisfied. Optional SILENT-drying system can reduce 35% noise and energy consumption, and suit to more application places.



Contour-following air dryer with side air dryer

3. Bi-directional rotational wheel scrubbing.

Leisuwash DG also provides customers with more humanized design concepts. Customers can easily experience the uniqueness of Leisuwash DG through these innovative features.

One of the most difficult areas of vehicles to clean are the wheels, Leisuwash DG takes tire scrubbing to a new level. During the process, each tire receives a chemical application and the wheel receives an intense bi-directional rotational scrubbing, combined with high-pressure water flow. There are multiple cleaning technologies in play to meet even the most demanding consumer needs.



Bi-directional rotational wheel scrubbing

4. **Overflow lave foam with spot free RO water rinse**

Leisuwash DG also provide more value-added functions, such as overflow lava foam, the light show will attract drivers off street and into your wash bay. Soft wax coating makes every car wash becomes a car care and maintenance, and surely will bring more return customers for you.



Lava foam with spot free rinse

5. Leisuwash DG 24 hours Self-Service Online Paying

Through the online payment with voice guidance system can achieve 24-hours self service car wash. In China people use WeChat or Alipay online paying, overseas customers can adopt local payment system work together with Leisuwash systems.



Leisuwash 24H self service payment

Leisuwash DG high quality components from worldwide leading companies.

Intelligent Contour-Following Touch Free Car Wash
High quality 3 years warranty

Details show our professional
Our suppliers are from leading companies in the world, reliable technology and quality are the guarantee of your trust!

LEISUWASH DG

German Igus cable

German Igus towline

American SPRAY high-pressure nozzle

American Parker high pressure pipe

Taiwan Muji High Pressure Pump

All achieve IP67 waterproof
All lifting, rotating, walking and air-drying motors and reducers are Italy brand. Long lifetime in harsh washing environment

Leisuwash DG high quality components

German Siemens inverter

German P-F sensor

Italy MEGADYNE timing belt

Japan NSK transmission bearings

Taiwan Delta PLC

French Schneider Low-Voltage Appliance

German Siemens Motors

Leisuwash High Quality
Even a small screw, spring washer, flat washer, key pin, snap ring etc are all made of 304 stainless steel.

Leisuwash DG high quality spare parts

LEISUWASH PREMIEM QUALITY

The excellent production process is the basis for ensuring the long life of the equipment. Each component is made after repeated testing and careful design in the laboratory. Each component has excellent quality and good performance.

Sheet Metal Whole Bending

The sheet metal of the machine is whole bending by 3mm-4mm pickling plate , without tube welding.

Rail 32*32 Solid Square Steel

The equipment is higher safety, reliability, and durability.

Electrophoretic Primer + Plastic Spray, Double Anti-Rust

The bottom coating of the overall sheet metal frame is treated with electrophoretic paint, which is widely used in automobile bottom coating, plastic spray after the electrophoretic paint. Anti-corrosive and anti-rust fully meet European and USA standards.

Leisuwash DG premium quality car wash equipment

Leisuwash DG technical parameters with 3D drawing.

Item	Parameters / Process / Brand / Consumption	Item	Parameters / Process / Brand / Consumption
Equipment Dimensions	3600mm* 1450mm* 3100mm	High Pressure Nozzle	American SPRAY 316 hardened stainless steel
Rail Length	≥9000mm	Longitudinal Motor/Reducer	Import from Italy (Waterproof Ip67)
Total Power	28kw/35kw	Lifting flushing Motor/Reducer	Import from Italy (Waterproof Ip67)
Shipping Weight	≥3500kg	Lifting Rotary Motor/Reducer	Import from Italy (Waterproof Ip67)
Shipping Volume	18.5 CBM	Lifting Air-drying Motor/Reducer	Import from Italy (Waterproof Ip67)
Power Requirement	22kw	Wheel Brush Motor/Reducer	Import from Italy (Waterproof Ip67)
Control System PLC	Delta Industrial Control	Air-drying Aluminum Motor 4*4kw	Import from Italy (Waterproof Ip67)
Electrical Components	French Schneider	Wind Drum/Impeller	Galvanized sheet + electrophoresis + spray (outdoor plastic powder)
Frequency Conversion Drive System	German Siemens	Frame Sheet Metal Anti-rust Process	Electrophoresis + spray (outdoor plastic powder)
Water Pump	Pinfi/WUL(Import)	Frame Sheet Metal Manufacturing standard	3mm-4mm pickling plate whole bent without welding
Water Pump Motor	German Siemens 18.5kw/22kw	Contour-following Lifting and flushing Device	304 Stainless Steel
Drive Bearing	Japan NSK Bearings	Rails	32*32 Solid Square Steel
High-pressure Hose	American Parker	High Pressure Steering Control Valve	Import from USA
Engineering Towline	German IGUS (Import)	HMI	10 Inch Delta color touch screen
Towline Cable	German IGUS (Import)	Pneumatic Components	Taiwan AirTAC
Lifting Timing Belt	Italy MEGADYNE	Power Consumption/Water Consumption	0.8KwH-1.2KwH/Car, 120L-200L/Car
Sensor	German P+F /Italy MICRO DETECTORS	Chemical Consumption	RMB1.5 -RMB3/Car

Leisuwash DG technical parameters

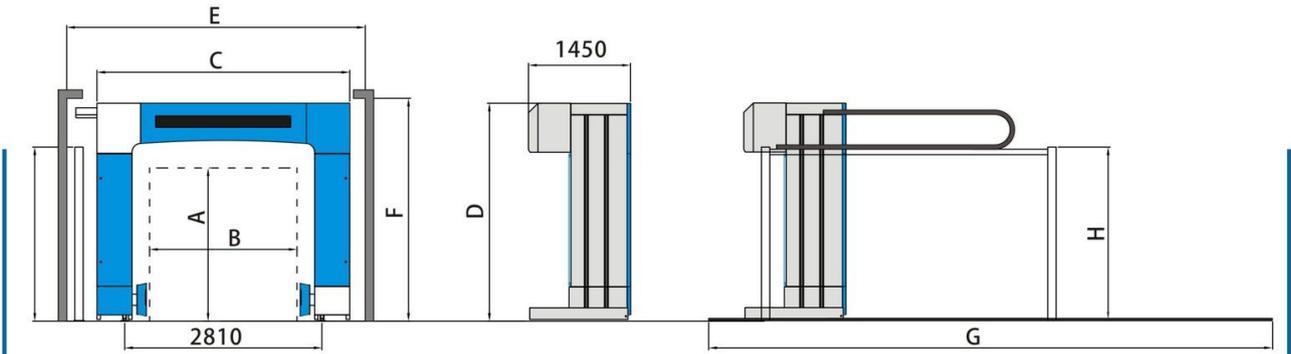
Configuration	Configuration			Configuration	Configuration		
	Standard	Smart	Luxury		Standard	Smart	Luxury
Contour-following high pressure Rinse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scan code 24 hours self-service car wash service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High pressure side rinse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cloud remote monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High pressure swing side rinse	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	APP background management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contour-following air-drying	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LED arrow tips	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Frequency conversion mute air-drying system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	LED large screen car wash process display	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fixed air-drying	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Language guidance Smart parking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wheel brush	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Touch screen console	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intelligent chemical mixing system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Remote control operation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Soft water wax coating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Permission setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reverse water osmosis function	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Car wash quantity report statistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overflow lava foam system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Automatic standby function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contour-following flushing anti-collision ring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fault self-test function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contour-following air-drying anti-collision ring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water recycling system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Digital Security Anti-collision System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reverse Osmosis Water Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Explanation: Standard Optional Choose one of two

Strictly design and produce according with European and American standards, keep improving and pursue zero-fault quality goals.

Leisuwash DG Configuration

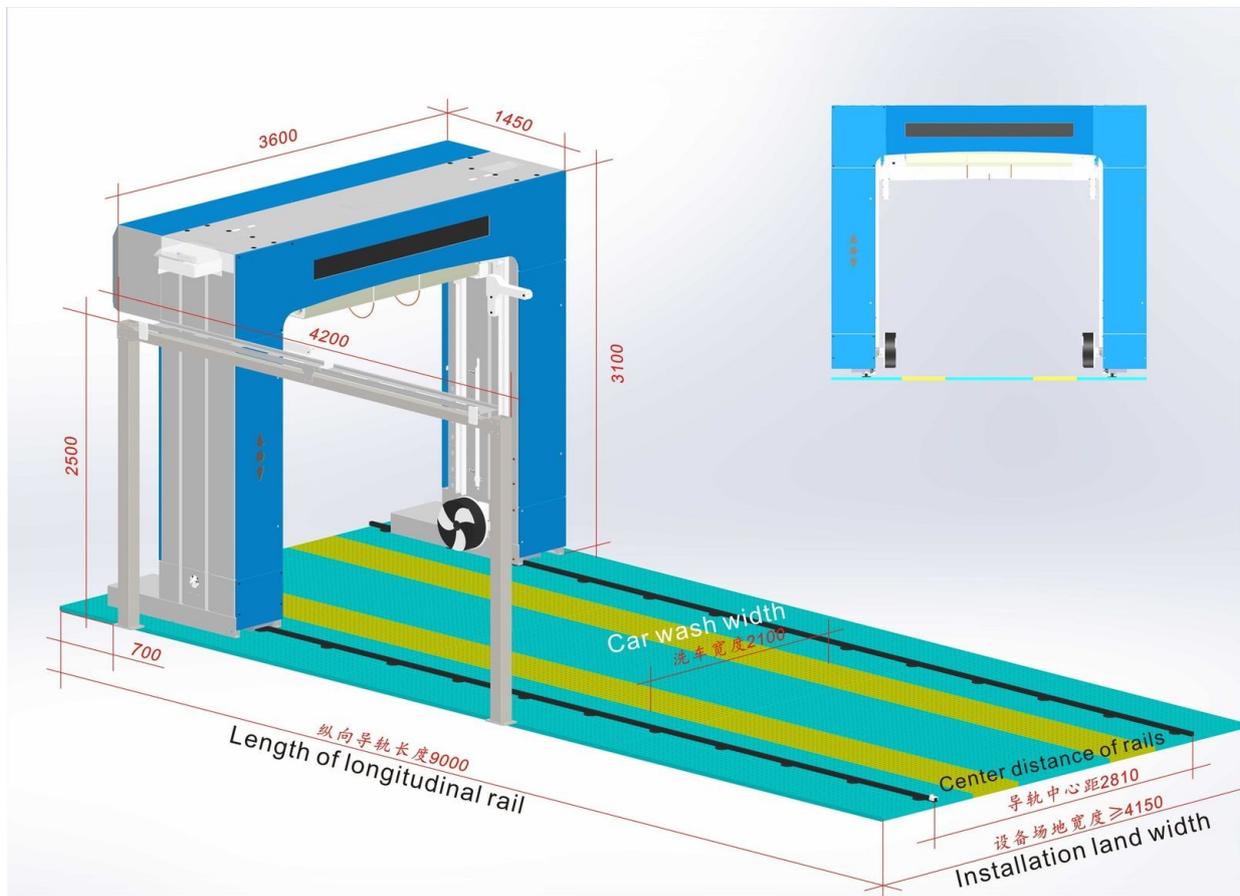
Leisuwash DG Dimension Diagram



Item	Measurement	Remark	Specification	Shipping volume
A Max car wash height	2100mm		Main Machine polywood case	3600*1450*3100
B Max car wash width	2100mm		Water Pump polywood case	1340*900*600
C Machine width	3600mm		Control box polywood case	460*550*1600
D Machine height	3100mm		Towline support	320*120*4200
E Mounting width	≥ 4150 mm	Installation room min width 4050mm	Rails	32*32*9000
F Mounting height	≥ 3200 mm		Accessory	Pipe fittings and other accessories
G Rail mounting length (standard)	≥ 9000 mm			
H Towline mounting height	2500mm			

Shipping volume: $\approx 18.5 \text{ m}^3$ / Shipping Weight: $\approx 3.5 \text{ T}$

Leisuwash DG dimension diagram



Leisuwash DG 3D drawing

Leisuwash thousands installations in overseas:

<https://www.leisuwash.com/clients/>

Leisuwash brochures with FAQ download page:

<https://www.leisuwash.com/download/>

Leisuwash DG HP Touchless Car Wash Equipment Demonstration Video:

<https://youtu.be/aiSgIEEaLw>

Facebook Channel:

<https://www.facebook.com/Leisuwashing>

Instagram Channel:

<https://www.instagram.com/leisuwash360/>

Customers feedbacks are real !

<https://leisuwash.ru/> (Russia Representative 1)

<http://www.robotcarwash.ru/> (Russia Representative 2)

УмнаяМойка.рф (Russia Representative 3)

<http://www.aso-ler.rs> (Serbia Representative)

<https://lavadolaser.cl> (Chile Representative)

<http://www.carwashexpress.com.br> (Brazil Representative)

<https://cyberwash.com.ua> (Ukraine Representative 1)

<http://robowash.com.ua/> (Ukraine Representative 2)

<http://www.amb-tech.pl> (Poland Representative)

<http://leitai.tw> (Taiwan Representative)

<http://www.carwashexpress.com.ar> (Argentina Representative)

<http://autotech.bg> (Bulgaria Representative)