



杭州镭速清洗设备有限公司

## Hangzhou Leisu Cleaning Equipment Co., Ltd

Address: No.86 HongDa Road, XiaoShan District, HangZhou City, ZheJiang Province, China, 311200

Website: <https://www.leisuwashco.com>

Mobile Phone: +8613453132341 ( WhatsApp, Skype, Viber, Line, WeChat )

Email: [Leisuwashco@gmail.com](mailto:Leisuwashco@gmail.com)

### Leisuwash 360 Touchless Car Wash Equipment



## Overview

The newest LeisuWash in-bay automatic car wash raises the standard for touchless car wash equipment. With Revenue Enhancement and Total Cost of Ownership improvements being the main focus, this vehicle wash system delivers the industry's best Return on Investment. Smart 360™ Technology enables the car wash system to be responsive to the dynamic conditions in the wash bay and allows it to "think for itself", increasing up-time and optimizing the wash process.

Substantially faster wash speeds lead to increases in vehicle throughput and shorter lines that will make your customers happy. Simplified machine design and lower energy and utility usages reduce operating costs leading to a more profitable car wash operation.

## Key Features

1. **Intelligent unmanned systems, self-service card payment system.**
2. **Smart 360 technology.**
3. **Intelligent chemical mixing system.**
4. **Innovative suspension system without resistance rails.**
5. **Unique embedded fast air drying system.**
6. **Digital voice security alarm system.**
7. **Faulty self-checking system.**
8. **One key anti-frozen system**

## Functions

1. **High pressure pre-wash for under chassis and wheels.**

Equipped with a unique chassis and fan hub flush function, 90bar high pressure water can effectively remove dirt on chassis, body sides and wheels.



**2. Smart 360 rotate arm, spray various washing chemicals with high-precision proportioning technology.**

100% accurate measurement with adjustable ratio. only 20~50ml pre-soak consumption for washing one car through high precision chemical mixing system, save material and cost efficiently.



**3. Smart 360 rotate arm, Flush car body 360° with high pressure water.**

Complete 360° rotating within 28 seconds, water saving 50%, electricity saving 60%, automatic detect the length and width of the vehicle, up to 80bar high pressure water can easily remove the dirt.



#### 4. Magic color polish shampoo.

Thick foam makes cleaning maintenance component fuller contact with dirt, thereby improving the efficiency of decontamination, making the paint colors more moist, bright lights. Unique soft-type broad-spectrum activity of ion cleansing agents, emulsifying effective daily cleaning dirt on the car body and non-corrosive for the car paint, wheels, tires, window glass.



#### 5. Soft water with crystal wax coat.

Soft water can make magic crystal coating color shampoo and wax completely adsorbed body surface, forming a multi-layered interaction strength protective film, car paint become more glorious and beautiful with durable paint protection. Crystal coating of wax can be generated in the paint surface layer polymer, the water softener fused into a hard protective film, with superior protection of car paint, and features anti-acid rain, pollution, UV erosion.



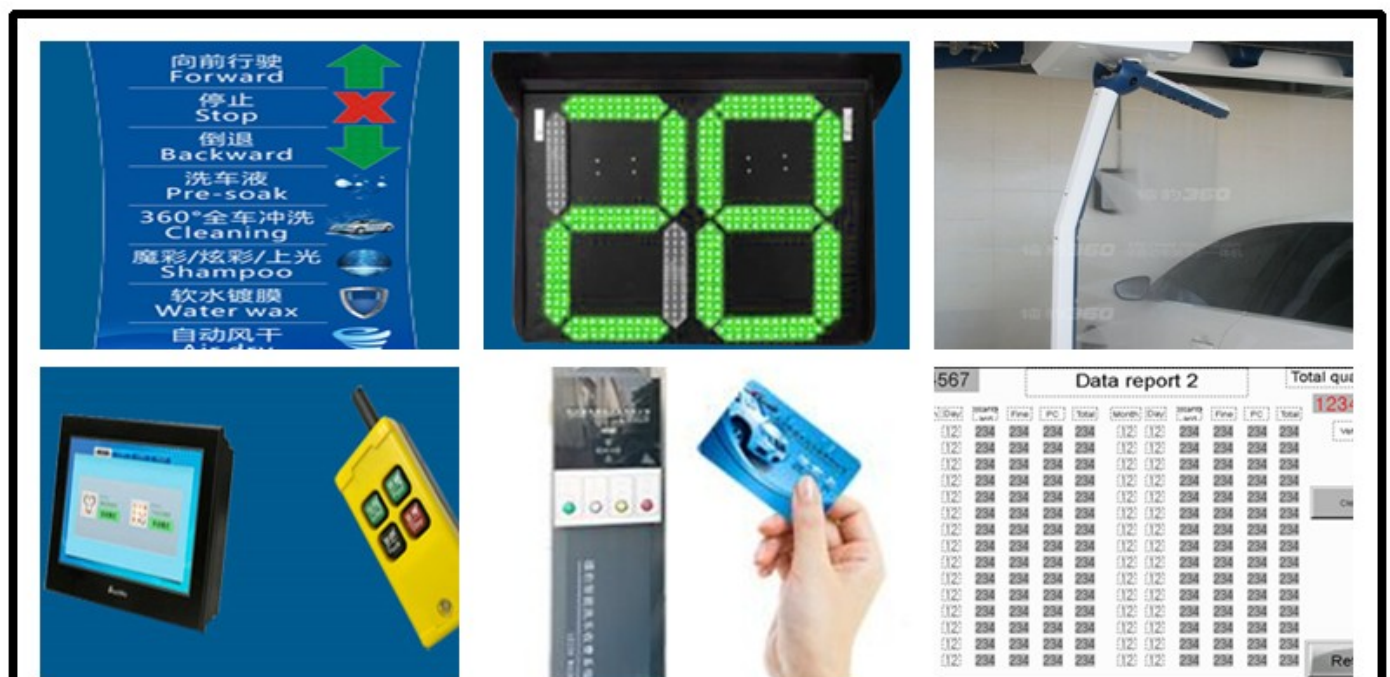
## 6. Unique embedded fast air drying system.

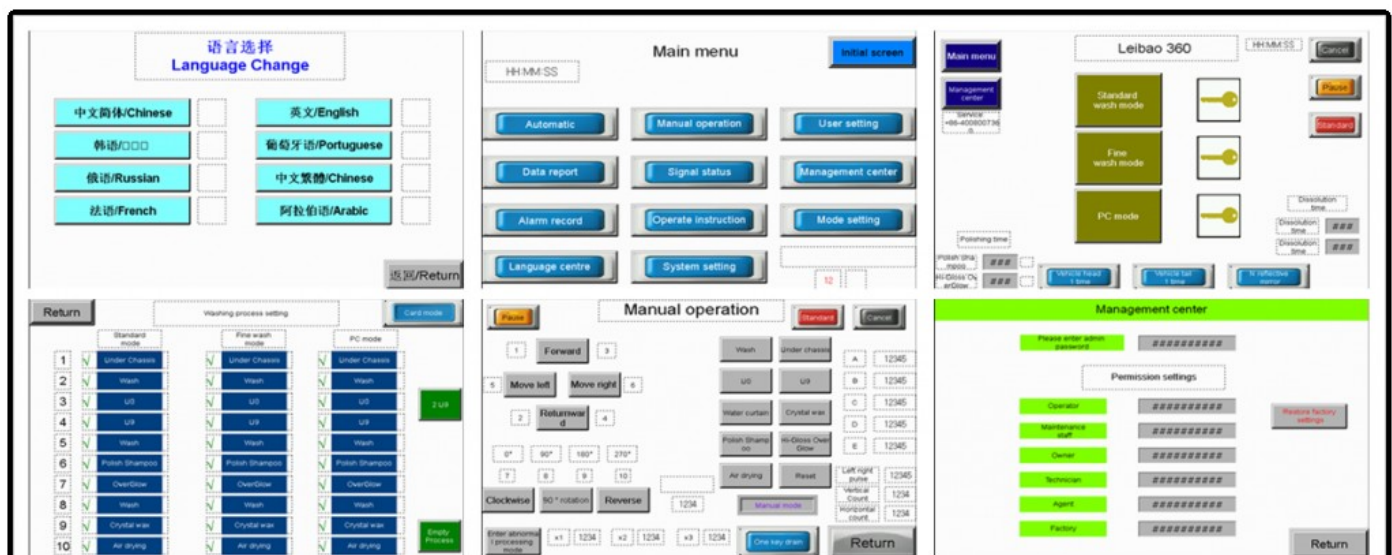
Leisuwash 360 Configuring three 5.5kw and one 4kw motors embedded in the washing machine, control the airflow by four cylindrical outlet, the first task is to split a bunch of wind air, reducing wind drag subsequent to follow airflow to dry the surface of the car body, Leisuwash 360 optimize the characteristics of wind speed, other traditional type of fan is to improve the speed, but wind has been minimized when arrive the car body, and in fact the high-speed airflow is the best dried solution.



## User-Friendly Design

- \*LED with voice guidance
- \*Automatic clean rearview mirror
- \*Faulty record with data report
- \* Automatic standby service
- \* Multi control mode ( could operate wash system through touch panel, magnetic card, payment station button, remote controller )





Buy Optional Overglow Hi-Gloss Application System for Leisuwash 360 with colorful LED light will attract drivers off street and onto your wash bay.



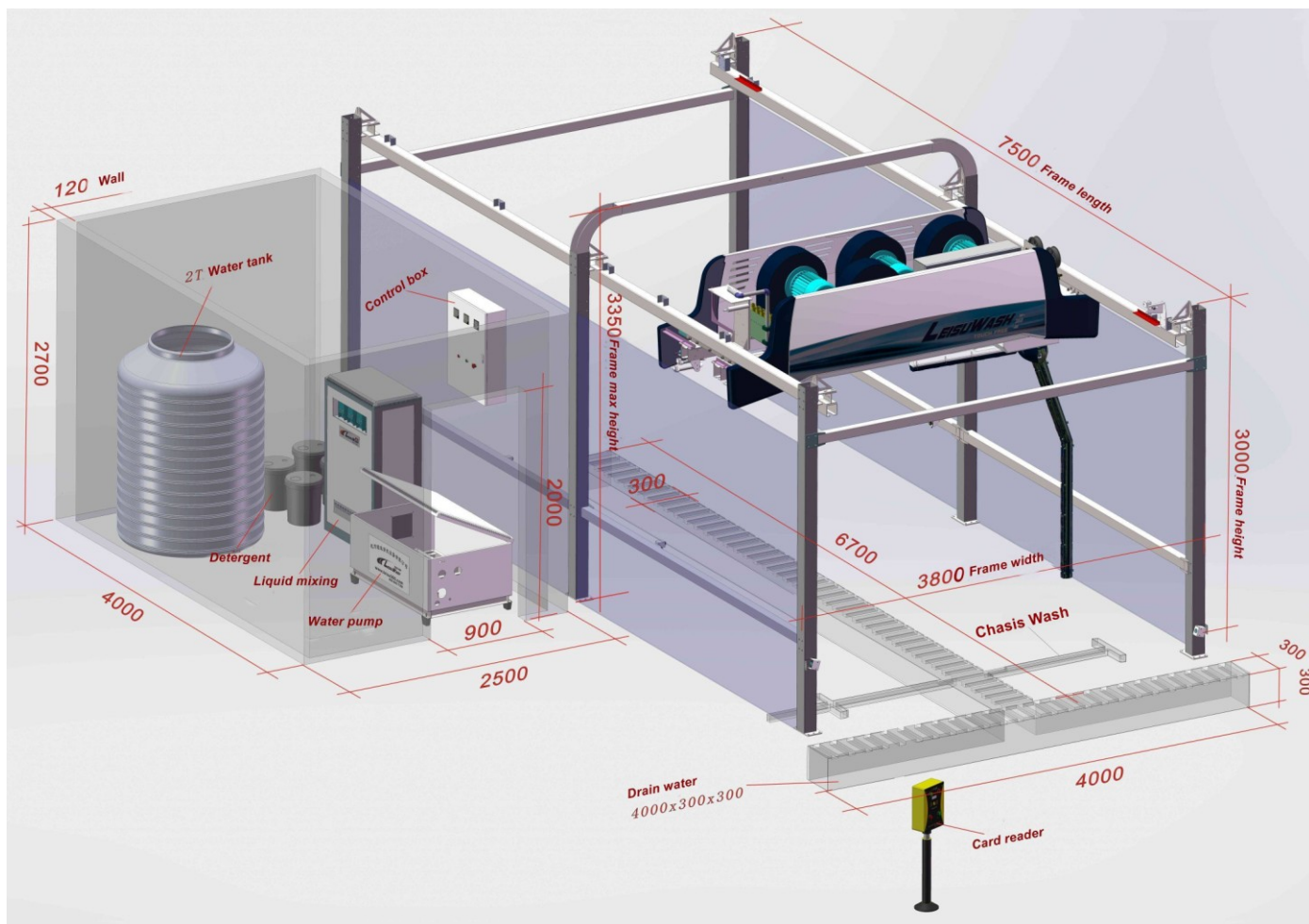
Leisuwash 360 Vehicle Wash System Demonstration Video.

<https://youtu.be/bOTvOdvD7ZM>

## Technical Parameters:

Main machine size	3500mm*1200mm*900mm
Water pump size	1200mm*700mm*600mm
Chemical mixing system size	800mm*450mm*1400mm
Rail length	7500mm
Min Mounting Dimensions ( length*width*height )	7600mm*3850mm*3350mm
Max car wash size ( length*width*height )	5900mm*2900mm*2050mm
Power Requirement	380V/22Kw, 50Hz/60Hz
Air switch	80A air switch
Total power	45kw
Water pump motor power	15~22Kw
Air fan motor power	20.5Kw / full pressure 11000Pa / air volume 23000 cubic meters
Longitudinal motor power	0.37Kw stepless frequency control
Transversal motor power	0.75Kw servo drive system
Rotary motor power	0.75Kw servo drive system
Chemical mixing system motor power	1.5kw
Central processor	Industrial PLC embedded central processor + dual-core system
Drive System	Servo drive system
Detection system	Smart three-dimensional monitoring system
Sensor System	Ultrasound+ Absolute value of the digital encoder
Speed	360 wash 28 seconds, energy saving 60%
Pre-soak consumption	20~50ML/Car ( Depends on chemical proportioning )
Polish shampoo consumption	50~100ML/Car
Crystal wax consumption	20~40ML/Car
Water consumption	Standard wash 100L/car, Fine wash 150L/car
Electricity consumption	Standard wash 0.52 KW·H/car, Fine wash 1 kW·H/car

## 3D Drawing



### Packing details:

Polywood case for main machine: 3660\*1410\*1255mm

Polywood case for water pump system: 1350\*890\*640mm

Polywood case for chemical mixing system: 920\*545\*610mm

Rails: 2pcs ( 7.5 meters )

Frames: 13pcs

Shipping weight: 2600kgs,

Shipping volume: 11CBM.

### Delivery period:

15~20 days

### Payment terms:

T/T or L/C

### Shipping terms:

EXW, FOB or CIF

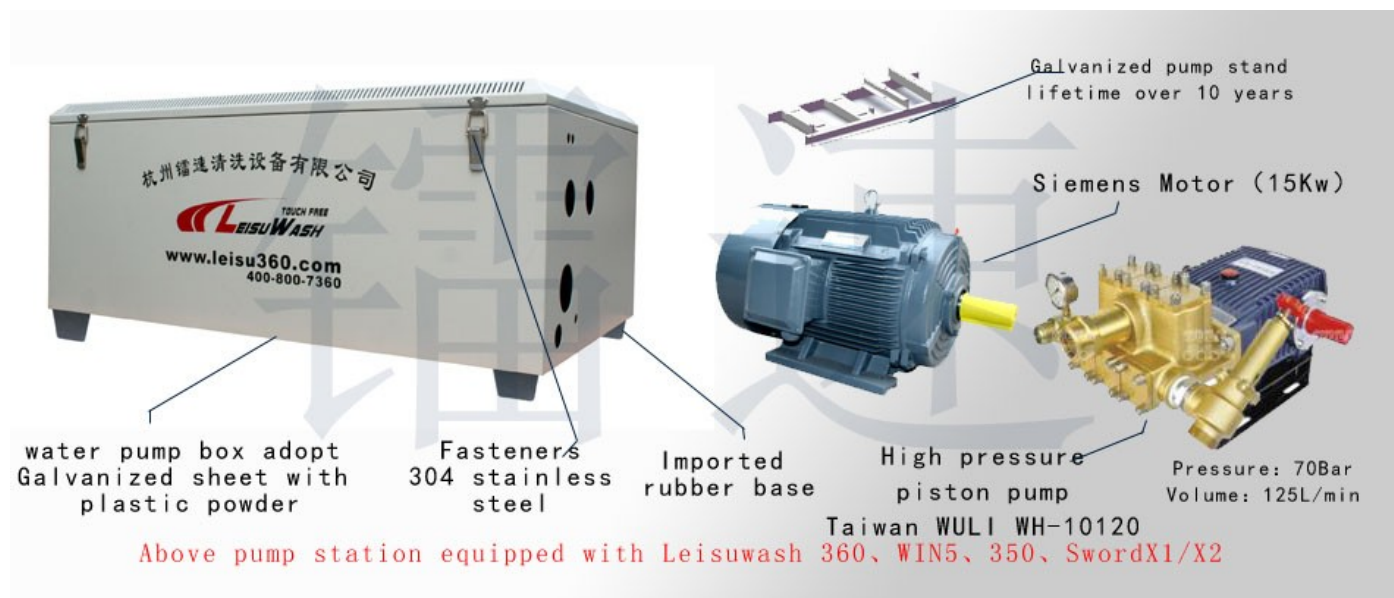
## Shipment



**Attention: Because the 7.5 meters long rail is longer than 20' container, so our machine need to be sent by 40'ft container.**

Leisuwash spare parts mostly come from international well known brands, such as German Siemens motors, German P+F sensors, American SPRAY nozzles, American DEUBLIN rotate joint, French Schneider, Taiwan Delta, Japan NSK etc, we offer 3 years warranty for all spare parts !

## International Quality — High Pressure Water Pump System



## International Quality — Leisuwash 360 Main Control System ( Main distribution box )



Main Distribution Box  
adopt galvanized sheet  
with plastic powder

PLC  
German SIEMENS

Analog module  
German SIEMENS

AC contactor  
French Schneider

3P Air-switch  
French Schneider

Phase sequence protector  
French Schneider

Time Relay  
French Schneider

Thermal relay  
French Schneider

Intermediate relay  
French Schneider

Switch power supply  
Taiwan Delta

## International Quality — Leisuwash 360 Main Control System ( Electrical box )



304 stainless steel box

PLC  
Taiwan Delta

Frequency converter  
French Schneider

Signal transfer block  
Taiwan Delta

Intermediate relay  
French Schneider

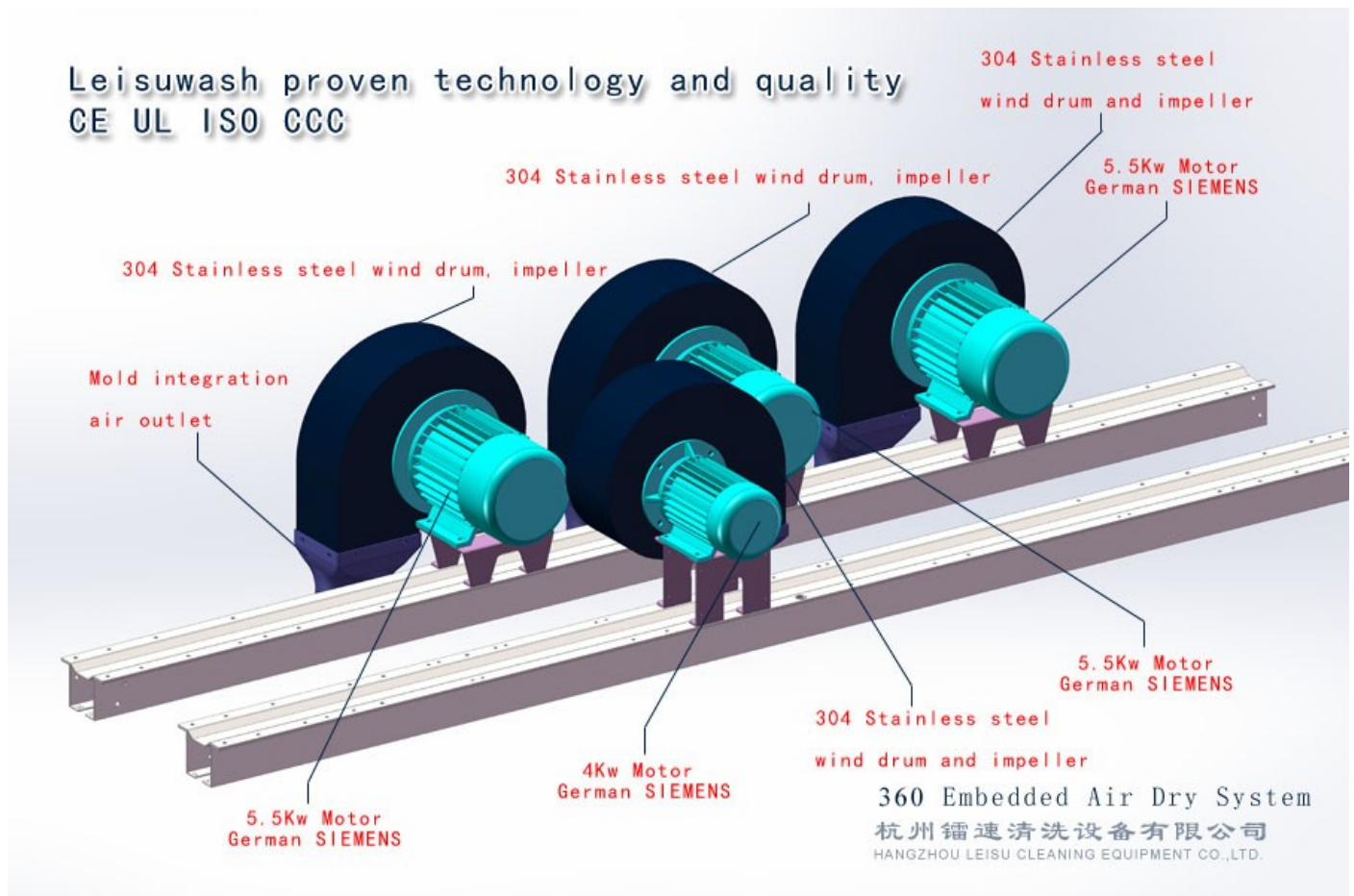
2P Air-Switch  
French Schneider

servo Driver  
Taiwan Delta

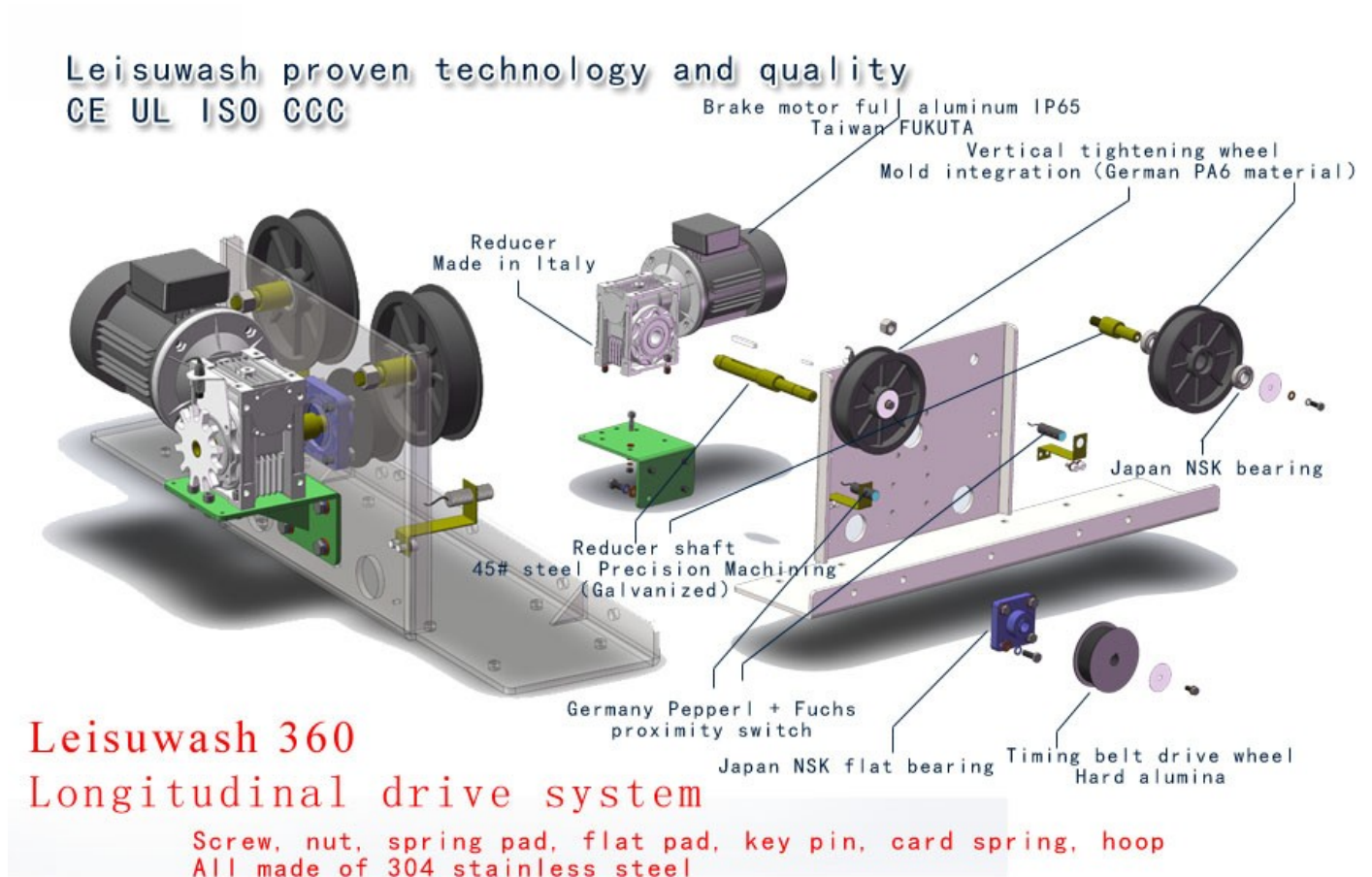
Switch power supply  
Taiwan Delta

Communication plug  
German SIEMENS

## International Quality — Leisuwash 360 Embedded Fast Air Dry System



## International Quality — Leisuwash 360 Longitudinal Drive System



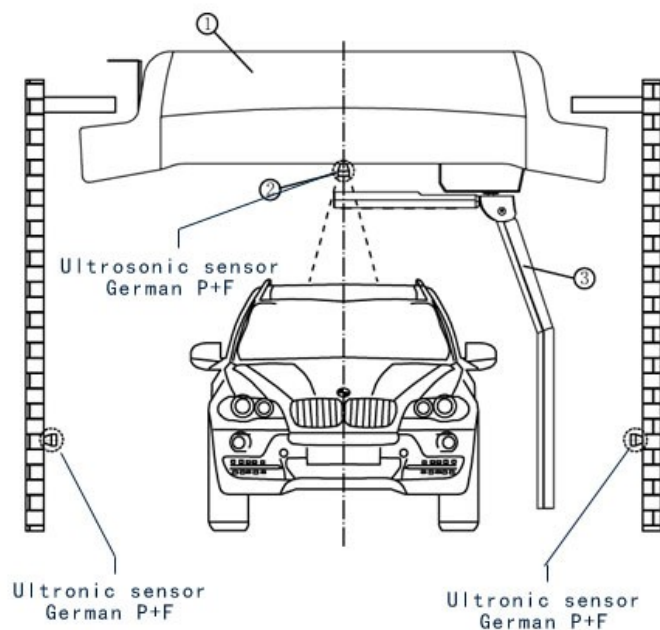
## International Quality — Leisuwash 360 Transverse, Rotate Drive System



## International Quality — Leisuwash 360 Rotate Arm



## International Quality — Leisuwash 360 Intelligent Vehicle Detection System



Leisuwash proven technology and quality  
CE UL ISO CCC



Leisuwash 360

Vehicle Detection System

### Cooperated International Brands:



