



Christ

Vitesse  
GENIUS

AKTIV - SCHAUM

GENIUS Vitesse  
Roll-Over Wash Unit

**Christ**  
WASH SYSTEMS

# GENIUS Vitesse

High-quality and high-performance technology are essential for running a profitable wash business.

The GENIUS VITESSE fulfills these requirements with its high-quality even in the basic model.

Sensible, contour-following brush control, as well as, a unique drying concept guarantee satisfied wash customers.

A wide array of equipment variants meet the demands of the most diverse requirements.

The employment of high-quality materials and superior workmanship guarantee a long machine life.

Easy maintenance, a modern diagnostic system, as well as, low-maintenance components and low consumptions assure profitable machine operation.



## Future

Fulfills VDA-Seal requirements.

The right to make changes to machine construction and design are reserved. Pictures may show equipment only available at a surcharge



## The professional vehicle wash



# Washing



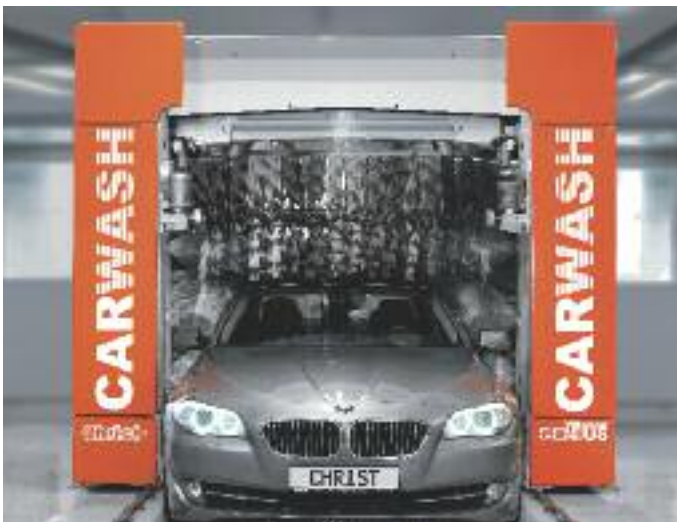
## Centre cross-over wash

The sliding side brushes completely cover the centre of the vehicle giving it a thorough front and rear wash. Those brushes are electrically propelled over a stainless steel gear rod. The side cylinders are vertically positioned and are locked while washing the vehicle's centre and side areas.



## Rim wash

Linear guidance of inner irrigated wheel wash brushes. Large diameter for rims up to 21". High cleaning performance by pulsating brush and rotation direction change. Wheel recognition via photocells.



## The wash sequence

Electronically controlled brushes guarantee even and gentle immersion on various auto body forms. During the forward and return cycle, vehicle surfaces are washed with automatic rotation direction change.

## Exclusive wash materials



### Exclusive wash materials

In addition to the standard PE-brush material, soft wash materials are especially effective. Increased durability plus increased cleaning performance and low material wear meet the high quality standards of all Christ products.



### SENSOTEX+

The wash material made from textile.

- Increased durability
- High cleaning performance
- No form of material abrasion on the vehicle's paint finish
- Vehicle has the highest gloss finish
- May be advertised as "Textile car wash"

### SENSOFIL+

The wash material made from foamed polyethylene.

- Increased durability
  - High cleaning performance
  - Minimal material abrasion on the vehicle's paint finish
  - Vehicle has a high gloss finish
- Especially designed for washing new vehicles.



# Water Systems

## Easy maintenance:

Comfortable front access to water regulation and control cabinet. High-quality doors block out splashing water away from electrical components.



### Control plate

Modern water and air-pressure technology are located behind this device. Regulator and manometer for air-pressure and air-pressure lubricator and a water pressure monitor prevent washing without water. Should there be a water shortage, then the unit switches off automatically.



### Dosing device

Electrically controlled dosing pumps provide precise amounts of chemical agents as needed. In addition to the standard dosing setting, the Christ dosing pump offers an additional frequency control for fine-tuning. The setting can be made from the service terminal.



### Wash agent containers

Depending upon the amount of programs the unit offers, the unit can be equipped with up to 6 containers. The plastic containers are scaled and simplify consumption monitoring.



### Level monitoring

Level switches are located in the wash agent containers, which automatically sends off low level alerts. This simplifies prompt filling and prevents the wash chemicals from running empty.

# Switchgear unit

## Unit control

A cleanly designed switchboard is located behind a door. A compact industry grade PLC with a modern bus system forms the heart of the unit's computer. All functions are precisely controlled and guarantee a safe working sequence.



## Diagnostic system

The diagnostic system monitors all important components of the wash unit. All errors are reported in plain writing on the text display. Fast self-help can succeed via the acknowledgement system.



## Light-barrier control

Control light-barrier and safety light-barrier scan the vehicle's contours. Exact contour scanning enable precise application of the cleaning agents and the roof high-pressure control.

## Variable and gentle

Frequency converters control the electric motors of the traction and lift drives. Variable movement sequences optimize the operation sequence of the unit.



# Drying



## Swivelling roof blower

This Christ technique has been successfully in operation for over 15 years. For drying optimization on front and rear areas, the photocell controlled jets are pivoted in on the vehicle at an angle.

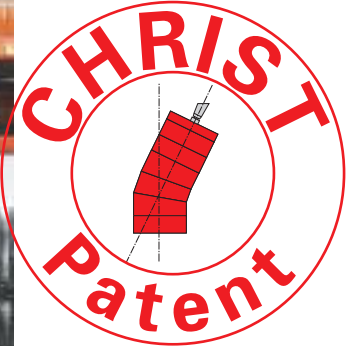
## Intelligent scanning:

The new **OptiAir-System** enables the angle of the drying jets to be changed sequentially depending on individual vehicle contours and achieves improved drying results.





# Jointed brush device for side cylinders



The jointed brush device has been proven for several years and is exclusively available at Otto Christ AG. This device offers the best wash effect in the forward and return cycle. Pressure is evenly applied to the sides of the vehicle regardless of its contours, the result is superior cleaning. In addition to the technical advantages, the angled form is a visual eye-catcher and is positively perceived by the wash customer as a specialty.

## Christ Jointed Brush Device

Portal forward cycle	Portal return cycle
Following areas are washed:	
Roof railing	✓
Side surfaces	✓
Door sill area	✓
<b>Maximum cleaning performance</b> Low and evenly applied pressure Low immersion depth	

## Standard systems

Portal forward cycle	Portal return cycle
Following areas are washed:	
Roof railing	✓
Side surfaces	✓
Door sill area	✗
<b>Average cleaning performance</b> High applied pressure High immersion depth	

# Additional programs

## Foam - Wax – High-Pressure



### Wax device

Wax application for protecting the vehicle paint surface succeeds in a separate working cycle. Large surface sheeting for drying support and permanent conservation achieve higher gloss results. This care program assists in maintaining vehicle value and extends program design.



### Active foam device

Persistent dirt is effectively softened up before the brushes are activated. Foamed down vehicles are visual eye-catchers and improve cleaning results - an additional advantage for every unit operator.



### Under-chassis wash

The moving, sliding carriage with 2 rotating high-pressure jets sprays vehicle undersides with 85 bar high-pressure. The vehicle length measurement ends the spray process exactly on the vehicle rear and prevents unnecessary spraying beyond the vehicle.



### High-pressure side wash

Lower side and entrance areas are intensively cleaned and freed of large dirt particles by 85 bar high-pressure jets located in the disc of each wheel wash brush. During the entire process, the brushes remain in their angled setting in order to optimally direct the rotating water ray and not to uselessly spray water under the vehicle.

The wash result of the wheel wash brushes during the rim wash is also optimized by the additional high-pressure.

# The Vitesse – High-Pressure Concept

## Wash time shortage of 20 %



### High-pressure pre-wash with active emulsion

The high-pressure wash is carried out during the brush wash without requiring an additional work sequence. The jet nozzle fittings located in front work with 50 bar high-pressure and cover vehicle surfaces oscillating at a 25° angle.

The jet nozzle fittings are motorically driven and work with 4 point-of-spray jets on the roof and on both sides.

- Your advantages:**
- ✓ Time saving
  - ✓ Increased vehicle washing
  - ✓ Higher profits

### GENIUS Wash program comparison

Standard				wash time 07:34	
→	←	→	←	→	←
<ul style="list-style-type: none"> <li>• Active foam</li> <li>• Rim chemicals</li> </ul>	<ul style="list-style-type: none"> <li>• HP Side wash</li> </ul>	<ul style="list-style-type: none"> <li>• HP Wheel wash</li> <li>• Cylinder wash</li> </ul>	<ul style="list-style-type: none"> <li>• Cylinder wash</li> <li>• Under-chassis wash</li> <li>• Foam wax</li> </ul>	<ul style="list-style-type: none"> <li>• Drying</li> </ul>	<ul style="list-style-type: none"> <li>• Drying</li> </ul>

Vitesse				wash time 06:02	
→	←	→	←		
<ul style="list-style-type: none"> <li>• HP-Side Vitesse with active emulsion</li> <li>• Rim chemicals</li> <li>• HP-Wheel wash</li> <li>• Cylinder wash</li> </ul>	<ul style="list-style-type: none"> <li>• Cylinder wash</li> <li>• Wheel wash</li> <li>• Under-chassis wash</li> <li>• Foam wax</li> </ul>	<ul style="list-style-type: none"> <li>• Drying</li> </ul>	<ul style="list-style-type: none"> <li>• Drying</li> </ul>		



Extras make a good thing even better...  
...and your customers appreciate that!



**Running program display**

Visual attraction for your wash customers. Indicates operation pointers, the selected wash program, the program steps, as well as, advertisements during breaks.



**Positioning device**

FORWARD-STOP-RETURN LED

Display

For exact vehicle end positioning in front of the wash unit. Control via light barriers during entrance.



**Wheel guiding tubes with lighting**

Wheel guiding tubes support straight entrance in the wash hall.

The LED light function alerts drivers and guides them exactly in front of the wash unit.

# Operator devices



## Input device C-CAT

Customer wash tickets can be generated in the sales room via this input device.

The printed number code serves for starting the program on the wash unit.

Further advantageous functions are made possible for the operator with the data line version.



## Service terminal wall mount

For starting the wash unit via program or code input. Illuminated and spill proof control panel.



## Service terminal floor mount

This enlargement enables free-standing operation. A magnet card reader, coin acceptor, barcode reader and intercom can be integrated as needed.



# Our service features for your success

## Consultation by professionals



## Customized solutions



### CONSULTANTS

- Direct consultation on site for all questions related to the car wash business

### CONCEPT

- Requirement analysis
- Location site analysis
- Profitability calculation
- Recommendation of the correct machine and marketing concepts

### PRODUCT PORTFOLIO

- Roll-over units
- Wash tunnels
- DIY Wash bay systems
- Truck wash units
- Water recycling wash units
- Car wash and care products

### QUALITY, ENVIRONMENT & SAFETY

- Certification according to DIN EN ISO 9001, DIN EN ISO 14001, OHSAS 19001 and SCC

### PLANNING / AUTHORISATION

- Support of contract architects
- Generation of machine installation plans
- Provision of complementary authorization documents

### PROJECT DIRECTOR

- Interface clarification to other subsections
- Scheduling of machine installation requirements
- Construction meetings

### FINANCING

- Cooperation with specialized financing partners for machine leasing.

Services subject to national availability.





### High-quality installation



#### INSTALLATION

- Exclusive employment of factory installation technicians or certified professionals
- Observation of safety specifications such as HSSE, SCC
- Professional installation of unit technique
- Test operation and control of all unit functions
- Instruction/training of operation personnel on the machine technique

#### CHEMICALS

- Individual adjustment of machine by our chemical sales consultant for optimum wash and drying results

#### TRAINING

- Employee training "Fit for Carwash" for more profits

### Best service



#### SERVICE

- Area-wide customer-service
- Fast reaction time
- Direct contact
- Hotline
- Different maintenance contracts
- Fast spare parts supply

#### CHEMICALS

- Chemical delivery/supply contracts
- Regular controls
- Close cooperation with the Christ customer-service

#### ADVERTISING AGENTS

- [www.super-autowaschen.de](http://www.super-autowaschen.de) – the internet platform
- X-press catalogue – advertising agent and equipment
- Advertising documents, picture material

#### FACELIFT / CARE

- Hall and machine cleaning
- Hall restoration

#### REPORTING

- Web based machine park administration for multiple operators
- Evaluations



# Car wash advertising agents and equipment



## Our assortment:

- Roll-over wash units
- Wash tunnels
- Water recycling units
- DIY Wash systems
- Truck wash units
- DIY-Vacuum units
- Advertising agents and equipment all-around the car wash
- Car wash and care products



## Our services:

- Installation site analysis
- Profitability calculation
- Project planning
- Operator training
- Finance concepts
- Marketing assistance

Our area-wide service network guarantees fast help.



**Christ**  
WASH SYSTEMS

## Otto Christ AG Wash Systems

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