

WASH SYSTEMS

VARIUS
1+1

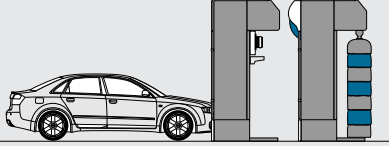
VARIUS
1+1



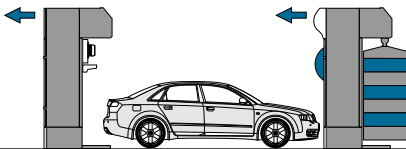
VARIUS 1+1
Roll-Over Wash Unit

Christ
WASH SYSTEMS

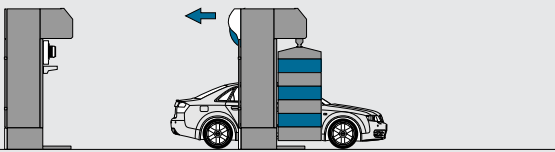
VARIUS 1+1 The Twin Unit



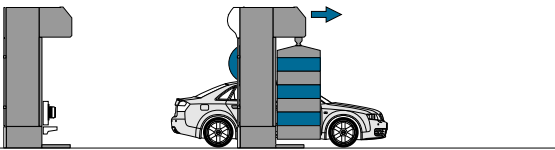
1. Vehicle positioning in front of the drying portal. The wash portal is in starting position behind the drying portal.



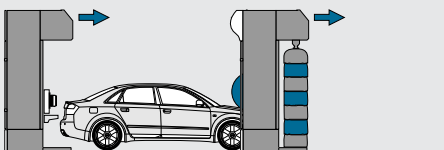
2. The drying portal idly moves over the vehicle to the direction of the hall entrance in its waiting position. Depending on the accessory equipment selected, the high-pressure wash and/or the foam application is carried out during the idle cycle.



3. The wash portal begins the wash in the forward cycle time-delayed.



4. An additional drying aid or wax conservation is applied during the wash return cycle.



5. The drying portal subsequently starts before the wash cycle is completely finished. Time-saving vehicle drying - carried out in just one operating cycle.



Solo wash and dry The time-saving principle



Christ VARIUS 1+1

Two units work hand in hand and give a distinctly superior performance. We call this proven success formula from Christ AG the 1 + 1 formula.

Wash and drying portals work solo and are thus able to simultaneously carry out different operating cycles. High-performance dryers leave the vehicle completely dry after just one vehicle pass.

The result:

Remarkable time and operation costs savings

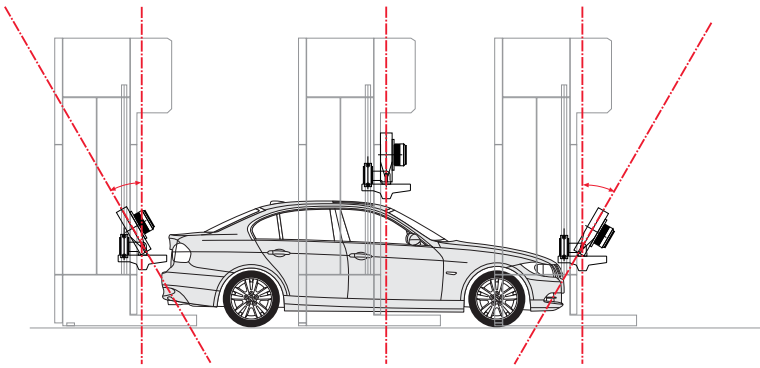
Drying



Drying in just one operating cycle

The drying portal starts in its return cycle once the wash sequence has ended.

The powerful blowers dry the vehicle in just one operating cycle, which is one of the primary reductions in the total washing and drying time of the 1 + 1.



Pivoting roof blower

The 1 + 1 unit serially includes a contour-following roof jet as well as two contour-following side jets.

The complete blower body is pivoted at a 60° angle on the vehicle's front and rear parties and achieves improved drying results on special vehicle areas by means of its slanted position.

Washing



Exclusive wash materials

Our new gentle wash materials offer increased stability, even better cleaning results, reduced material abrasion and an increased degree of gloss, in fulfilling the requirements Christ places on its high-quality material grades.



SENSOTEX+

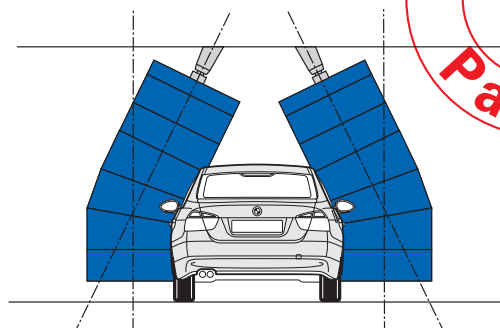
Wash material made from textile (may also be advertised as "Textile Car Wash").



SENSOFIL +

Wash material made from foamed polyethylene.

Jointed brush device for side cylinders



The patented jointed brush device has proven true for over 15 years is only available at Christ.

Gentle cleaning is guaranteed by an evenly applied submersible depth and the optimal scanning of the vehicle's contours.

Aside from the technical advantages offered by this device, the jointed brushes and their angled form are especially positively perceived by the wash customer.



Water maintenance

User-friendly

Easy access to the front side where the water maintenance and the control cabinet are housed. High-grade door elements guard splashing water from reaching the inside components.



Control panel

Modern water and air technology are located behind this device. A controller and a manometer for the air-pressure, pneumatic oiler and water pressure monitor disable washing without water. The unit switches to emergency switch-off should the water level drop too low.



Dosing device

Electrically controlled dosing pumps ensure that the chemical concentrates in each container are mixed precisely. In addition to the standard lifting setting, Christ's dosing pumps additionally feature a frequency control for fine setting. Settings can be made from the control console.



Medium container

The unit can be equipped with up to 6 medium containers depending on the amount of programs offered. The plastic containers feature a scale and so simplify consumption monitoring.



Level monitoring

A level switch, which emits an automatic reserve message, is located in the medium containers.

This ensures that the medium containers are filled on time and thus prevents wash chemicals from running dry.

Switchgear

Unit control

The clearly laid out switchboard is located behind an additional transparent protective door. Compact industrial SPC-control with a modern bus system forms the heart of the wash unit computer. The multisided functions are precisely controlled and guarantee that the sequence of operations are carried out safely.



Diagnosis system

The electronics monitor the most important components of the wash unit. Error notices and breakdowns are indicated in the clear text display. Fast self-help is enabled by the acknowledgement system.



Brush control

Using the current consumption rate, performance modules measure the wash cylinder's applied pressure. Moderate application of the cylinders serve for a gentle vehicle wash.

Variable and smooth

Frequency converters control the electromotor's traction and lifting drives. Variable and smooth movement sequences optimise the operating cycles.

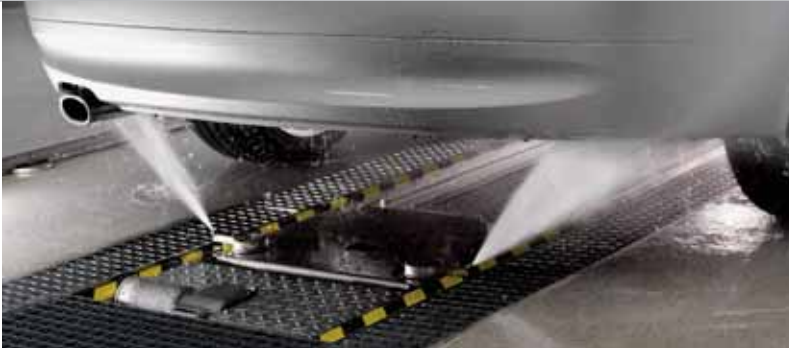


High-pressure



Wheel wash device

Stabile stainless steel design. Linear guidance of the internally irrigated wheel wash brushes. Large disc diameter for 19" aluminium rims. An excellent cleaning performance is delivered by pulsating brushes that change rotation direction during the wash. Wheel detection via photocells.



Underbody washer

Two rotating high-pressure jets located on the underbody's mobile carriage, spray the vehicle's underside with 85 bar pressure. A vehicle length measurement ensures that spraying is stopped exactly at the vehicle's rear, preventing any spraying over and away from the vehicle.



Pre-wash with oscillating all-around high-pressure

The high-pressure wash is carried out simultaneously to the idle cycle of the drying portal. The jets work with 50 bar pressure and completely cover the vehicle's surfaces in a 25° oscillating movement. The nozzle fittings are motorically driven. Four point of spray jets are allocated on each roof and side nozzle fitting.

The result is excellent cleaning results, a reduction on operating cycles and a fast total wash time.



Additional program



Foam device with fantailed application

This visual attention-getter dissolves dirt and improves wash results prior to the main wash without requiring an additional operating cycle. The application succeeds via three foam nozzles mounted on the rear of the drying portal.



Wax device

Wax is applied to the vehicle's paint surface in an extra operating cycle to achieve a high gloss effect. Large surface water sheeting for catalysing the drying process and permanent paint surface protection.

This care program improves the vehicles conservation of value and expands the amount of programs that can be offered.



Indication System

Individual front design

Three variants are available for the front design that can also be used in combination. The unit's advertising efficiency, its visual attractiveness as well as communication between the unit and the wash customer are improved.



LED Moving program display

Moving text and symbol diodes grab the wash customer's full attention. Wash programs and their sequences are displayed, as well as, operating pointers and advertisements during pauses are displayed.



Positioning device

Clear, understandable arrow symbols FORWARD-STOP-BACKWARD simplify entrance and positioning in the end position. The LED display is designed with green and red lights. Control succeeds via photo-cells activated during the entrance.

Pictogram indication

Large-scale LED luminous fields are integrated in each symbol. A built-in sensor automatically adjusts the brilliancy of the field depending on the brightness of each surrounding. Up to seven pictograms are available depending on the equipment selected.

Service devices

Ticket terminal

Simple ticket generation via wash program input and integrated shift settling. Program release succeeds over the wash unit's service terminal by means of number input. Code input is accelerated and simplified by the optional barcode scanner in the service terminal. Can be ordered with data line to the rollover wash unit for the usage of further functions.

Wash code number

The customer receives an imprinted code on the wash ticket. This 6-digit number identifies the purchased wash program. The code is generated over an integrated random generator. The wash ticket functions simultaneously as a receipt for the program bought. This receipt can also be imprinted with station related advertising. Product codes can be printed in EAN13 format for simple recording by the cash register systems barcode scanner.



Service terminal

Model UBT-S

Modern alu-casing for wall installation with cover for protection against attempts of vandalism. An additional support post can be ordered for floor-mounting at a height of 1,30 mtr. Control panel with LEDs. Front plate with plastic foil keyboard, clear text display, start button and emergency-off device. The multifunctional keyboard serves for program or code input by the users, as well as, special programming purposes by the operator.

Service terminal

Model UBT-L

This floor-mounted appliance in alu-modular design allows for further fitting possibilities in addition to its integrated serial equipment. For example, an optional magnet card reader, coin/token receiver, barcode reader and an intercom system can be installed below the control panel.



Everything from one source from Christ's wash factory



Our assortment:

- Rollover wash units
- Wash tunnels
- Water recycling units
- Self-service wash systems
- Truck wash units
- Special units
- Self-service vacuum cleaners
- Advertising material and accessories for car washing
- Car wash and care products



Our services:

- Limited site analysis
- Profitability calculation
- Projection assistance
- Operator trainings
- Financing concepts
- Marketing assistance



Our area-wide service network guarantees fast help.



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WASH SYSTEMS

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