

NOVA | SUPERNOVA | ECOBUS

New dimensions



Be part of the Christ Group

Christ
WASH SYSTEMS



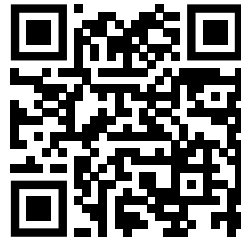
NOVA

for everything

When creating the new NOVA, our aim was to design a mechanical commercial vehicle wash system that would meet all the needs of carriers, transport companies and commercial vehicle wash centres. NOVA cleans your commercial vehicles reliably, quickly and with care.

It saves time, costs and energy compared to manual washing or single-brush systems. Thanks to its reduced energy and water consumption, NOVA is both environmentally friendly and resource-saving. Low consumption and low maintenance costs mean this wash system can be operated economically and with low maintenance requirements. Clean vehicles have become an effective advertising medium for industrial companies, transport companies and bus/coach companies.

Thanks to the wide range of design elements, the system can be specially adjusted to your individual requirements.



Highlights:

- BLADE, STRIPE and STRIPE with LED design lines
- Modular high-pressure systems
- Gimbal-mounted or double lateral brush bearings
- Large brush diameter
- User-friendly positioning devices
- Simple maintenance
- High-quality front cladding

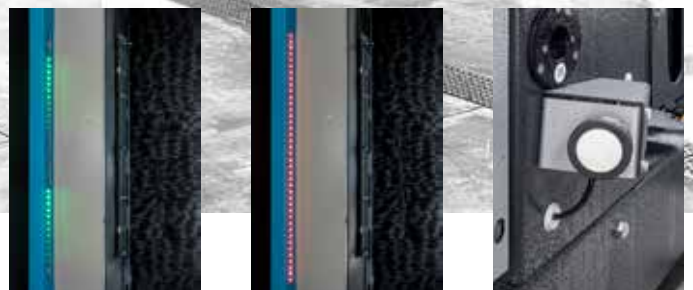
Construction and design subject to change. Images in the brochure also include additional cost options.





NOVA STRIPE

- Basic version
- Positioning device: LED traffic light at the rear of the portal for optimum positioning
- The STRIPE colour can be chosen from the Christ colour palette to suit your site
- Doors are powder-coated
- Steel construction is hot-dip galvanised as standard; hot-dip galvanised and powder-coated steel construction available as an option



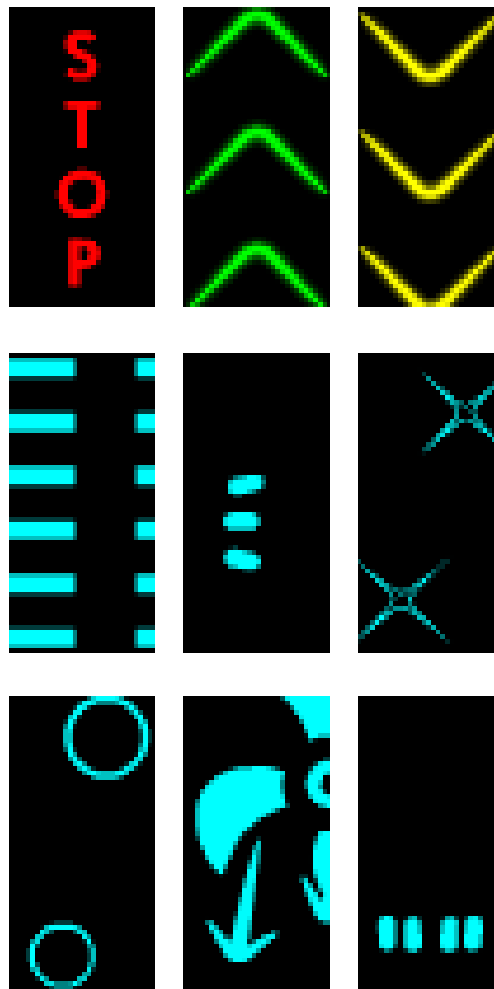
- Attractive design
- Positioning device: LED integrated in the STRIPE
- Visual perception of the LEDs for positioning
- LEDs change colour during washing
- Optional: The ultrasonic sensor helps vehicles drive into the portal and changes colour as the vehicle approaches



NOVA

BLADE

- Your eye-catcher in a new dimension
- Animated positioning indication helps ensure correct positioning
- Animated display of the individual wash steps
- BLADE as standard (not illuminated)
- PREMIUM (illuminated)
- PREMIUM+ switchable RGB available
- The BLADE colour can be chosen from the Christ colour palette to suit your site



robustness

Why powder-coated?

- Protects the wash system against corrosion and other influences
- Heat-resistant and easy to maintain
- Extends the machine's operational life
- Elegant, timeless design in black grey (standard colour)
- Other colours available as an option
- Doors made of galvanised, powder-coated steel









Active foam device

The active foam device visually detects that the power foam has been applied all over the vehicle, and the longer chemical adhesion ensures that the dirt is removed from the vehicle effectively.

Recommended Christ chemistry:

FOAM REX

Power foam for removing insects

Highlights:

- Active foam device with fan nozzles
- Visible chemical effect
- Chemicals applied to the entire surface of the vehicle











Rim spraying device

Rim chemicals are specially designed for dissolving inorganic dirt (brake dust). The chemicals are applied as a foam, which extends their effect period on the wheel. This achieves an optimal cleaning result in conjunction with a high-pressure chassis wash.

Recommended Christ chemistry:

RIM-REX

Acidic rim detergent



Horizontal high-pressure chemical pre-spraying device

The retractable horizontal high-pressure beam ensures that the chemicals are applied evenly at the front and rear. This results in a visibly improved wash result in the most dirt-prone areas. The sides of the vehicle are sprayed by lateral spray tubes.

Recommended Christ chemistry:

TRUCK PRECLEAN

Specialist pre-detergent for commercial vehicles



Swivelling horizontal high-pressure system

The high-pressure system ensures that the vehicle's front, roof and rear are optimally cleaned. A range of nozzle configurations allow performance to be adjusted to individual customer requirements.

The Vitesse concept can be used in parallel with the lateral high-pressure system for maximum throughput.



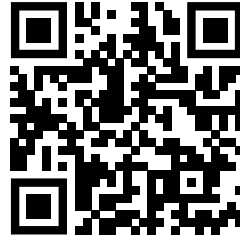




Vitesse lateral high-pressure system

For maximum throughput

The Vitesse high-pressure system increases throughput performance. High-pressure washes and washes with brushes can be carried out simultaneously. The wash height can be selected depending on the vehicle to save water.





The optimum brush contact pressure is controlled by our electronically controlled wash brushes and provides you with a contour-following and gentle vehicle wash. Therefore, even the difficult contours on your vehicle can be washed effectively.



Cross over wash

The NOVA performs a comprehensive cross over wash on the front and rear of the vehicle. This ensures an even and streak-free wash result on all surfaces.



Automatically detects mirrors and camera systems

On buses, the front wash takes place between the side mirrors. The system automatically detects and bypasses the mirrors using the intelligent active power measurement system. The operating flow is simplified considerably, as the side mirrors do not have to be removed or folded in. Camera systems are automatically bypassed, thereby avoiding mirror damage.



NOVA

For more flexibility



Gimbal-mounted lateral brush bearing





Double lateral brush bearing



Gimbal-mounted lateral brush bearing

For more flexibility

The gimbal-mounted lateral brush bearing helps to increase cleanliness and flexibility. It allows precise lateral brush movement without the causing any issues in terms of fixed mirrors on coaches and trucks. The low-floor drive unit is integrated as standard, which means that even lowerable low-floor buses can be cleaned thoroughly up to 175 mm above floor level using the lateral brushes.



Double lateral brush bearing

For difficult contours

The double lateral brush bearing ensures difficult vehicle contours are intensively cleaned—such as on tank, silo or specialist vehicles—as well as increased contact pressure in the lower chassis area.





Camper vans and caravans

Clean on the road

The alcove programme is an important part of our programme package for caravans and mobile homes. In combination with our SENSOFIL+ gentle wash material, the alcove is gently washed to ensure that the vehicles remain in perfect condition.

For vehicle areas that are difficult to access, we offer manual pre-wash equipment for exterior cleaning as an option. With this service, commercial vehicle wash professionals can effectively treat and remove the "black streaks" that form on parked camper vans and caravans over time.



SUPERNOVA

The fastest of its kind

Large fleets require fast and effective cleaning — without compromise.

The challenge?

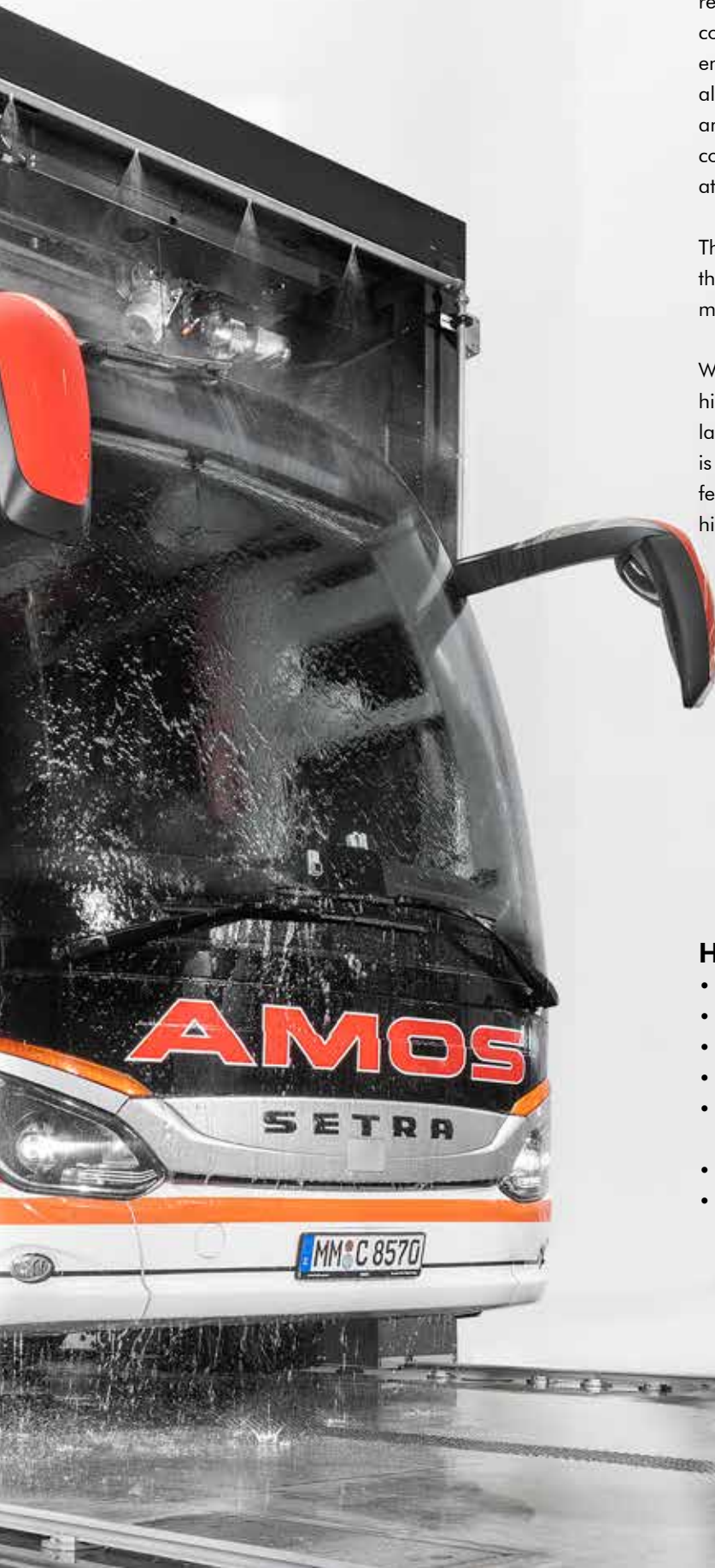
A thorough complete wash of the front, sides, roof and rear as quickly as possible in order to reduce operating costs. This is exactly where the SUPERNOVA comes in, ensuring complete 360° vehicle washing from front to rear, all in record time. The SUPERNOVA masters this perfectly, and is suitable for flexible use in the bus wash operating concept (semi-stationary) or in the commercial wash operating concept (overrun wash).

Thanks to the innovative system with five wash brushes, the SUPERNOVA combines the highest wash quality with maximum efficiency.

Whether in shift operation at transport companies, as a high-performance commercial vehicle wash system or for large-scale carriers to clean their fleet — the SUPERNOVA is the perfect solution. Of course, it offers all the proven features of the NOVA basic model — for a future-proof, high-performance and economic vehicle wash system.

Highlights

- Semi-stationary wash
- Stationary wash
- Can also be used in short wash halls
- Washes an 18-metre-long vehicle in 2.5 minutes
- Clean image, clean fleet
(as required by municipal regulations)
- Modern, high-performance and economic cleaning solution
- With different lateral brushes, we can optimally wash silo trucks





SUPERNOVA

Maximum cleanliness and safety



The SUPERNOVA meets the needs of the operator with an efficient and cost-saving cleaning solution that enables a fast and thorough complete wash.

Thanks to the flexible application possibilities as a semi-stationary or overrun wash system, the washing process can be optimally integrated into existing operations.

For bus drivers, this means reliably cleaning the vehicle as quickly as possible without long waiting times.

The concept with five wash brushes ensures thorough cleaning on all sides of the vehicle so that drivers always have a squeaky clean bus while on the road.





The optimal brush contact pressure is controlled by our electronically controlled wash brushes and provides you with a contour-following and gentle vehicle wash. Therefore, even the difficult contours on your vehicle can be washed gently and effectively.



Automatic start

In our semi-stationary wash concept, the driver no longer needs to get out. The automated washing process starts immediately after the vehicle is positioned. This therefore ensures the fastest wash times.

Maximum wash counts

due to time savings

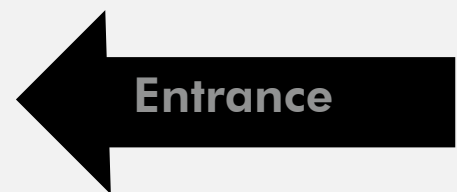
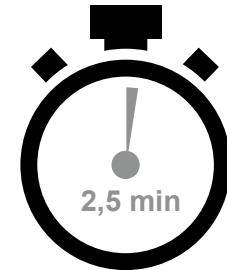
Perfect complete wash for highest vehicle throughput

Semi-stationary operation enables an articulated bus with a length of 18 metres to be washed in around 2.5 minutes without compromising on washing quality. (Front and rear wash with just lateral brushes)

Semi-stationary operation (course)

Phase 1: entry of the vehicle

The vehicle drives up to the light barrier.



Phase 2: front positioning

The driver uses the LED traffic light to move the vehicle into the correct position for the front wash.

↔ Wash system moves



Front wash with standing vehicle

The wash system carries out a fully automatic front wash with double cross over wash on the stationary vehicle.

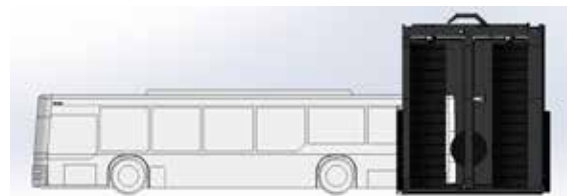
← Bus moves



Phase 3: Lateral and optional horizontal wash of the moving vehicle

The driver drives the vehicle at a recommended speed of around 12 m/min through the wash system. The horizontal and lateral wash is carried out by the stationary wash system while the lateral brushes rotate.

Wash system moves ↔



Phase 4: rear positioning

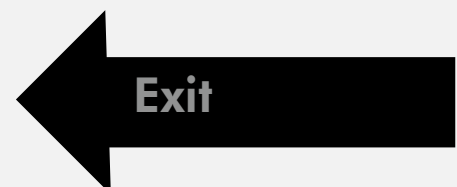
The driver uses the LED traffic light to move the vehicle into the correct position for the rear wash.

Rear wash with standing vehicle

The wash system carries out a fully automatic rear wash with double cross over wash on the stationary vehicle.

Phase 5: exit of the vehicle

The vehicle is driven out of the installation's working area.





**There is no faster way!
18 metres in 2.5 minutes**



ECOBUS

Stationary bus wash unit



The time saving factor has become the dominating decision reason when procuring a bus washing system. This applies to both private coach companies and public transport companies. The logical, well thought-out, asymmetric wash brush arrangement on the ECOBUS accommodates this trend with an extremely effective washing result. Vehicles that are to be cleaned are washed quickly, which therefore reduces operating costs.

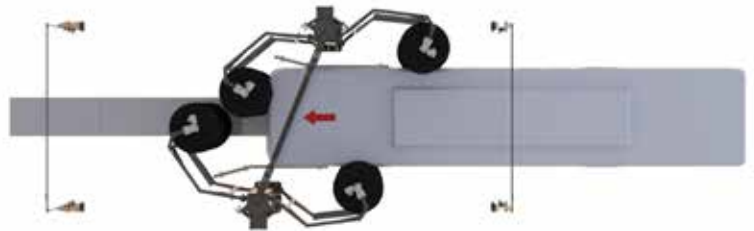
This pays off especially when cleaning in shifts. In order to ensure a long service life for this investment, the wash system is supplied with external and internal stainless steel spraying arches. Frame parts and swivel arms are made entirely of hot-dip galvanised steel.

Wash course

Time savings due to the asymmetric brush arrangement

Step 1:

The bus pushes the rotating wash brushes on the brush pair that is in the mid-position outwards. This performs the front surface wash. The first brush pair, which is in the outer position, only moves to the side of the vehicle once the front wash arms have been opened completely.



Step 2:

The bus moves through the wash system when the swivel arms are open. This presses the swivel arms pneumatically to the side of the vehicle. The rotating wash brushes in both brush pairs therefore perform the lateral surface cleaning.



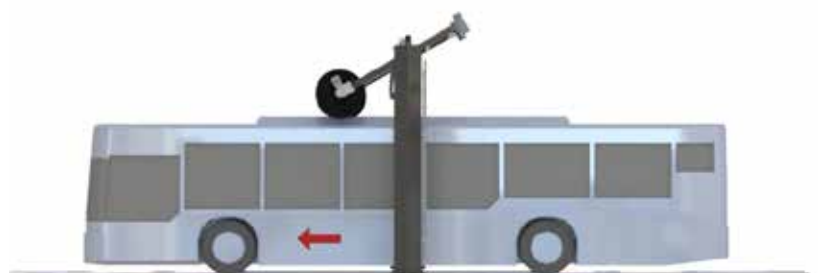
Step 3:

The rotating wash brushes in the first brush pair press against the vehicle rear pneumatically and therefore wash the rear surface from the outside to the middle of the vehicle. The wash brushes in the second brush pair complete the lateral surface cleaning.



Extensions for the ECOBUS

An additional horizontal brush system extension enables vehicle roofs to be cleaned thoroughly. The horizontal brush is available for different passage heights/areas.



ECOBUS OPTI

Stationary bus wash unit



In an industry where efficiency counts, saving time is a crucial factor when selecting a bus wash system — for coach companies as well as public transport companies. The ECOBUS OPTI uses an asymmetric arrangement of the gimbal-mounted wash brushes. This design enables flexible brush guidance and ensures thorough and fast cleaning — even in the case of challenging vehicle shapes. This saves time and reduces costs, especially in

shift operation. In order to ensure a long service life for this investment, the wash system is supplied with external and internal stainless steel spraying arches. Frame parts and swivel arms are made entirely of hot-dip galvanised steel.

ECOBUS OPTI wash course

Time savings due to the asymmetric brush arrangement

Step 1:

As the bus enters, it pushes the centrally positioned brush pair outwards. This cleans the front of the vehicle. The first brush pair, which is in the outer position, only moves to the side of the vehicle once the front wash brush arms have been opened completely.



Step 2:

The bus continues to move through the wash system when the swivel arms are open. The arms are pneumatically pressed against the sides of the vehicle. The rotating brushes of both brush pairs clean the side surfaces during this step.



Step 3:

The first brush pair is pneumatically pressed against the rear of the bus and cleans this area up to the middle of the vehicle.

Meanwhile, the brushes of the second brush pair complete the lateral cleaning.



Additional equipment for the ECOBUS OPTI:

An optional horizontal brush system ensures effective cleaning of vehicle roofs.

This horizontal brush is available in different heights and for different passage circumstances.





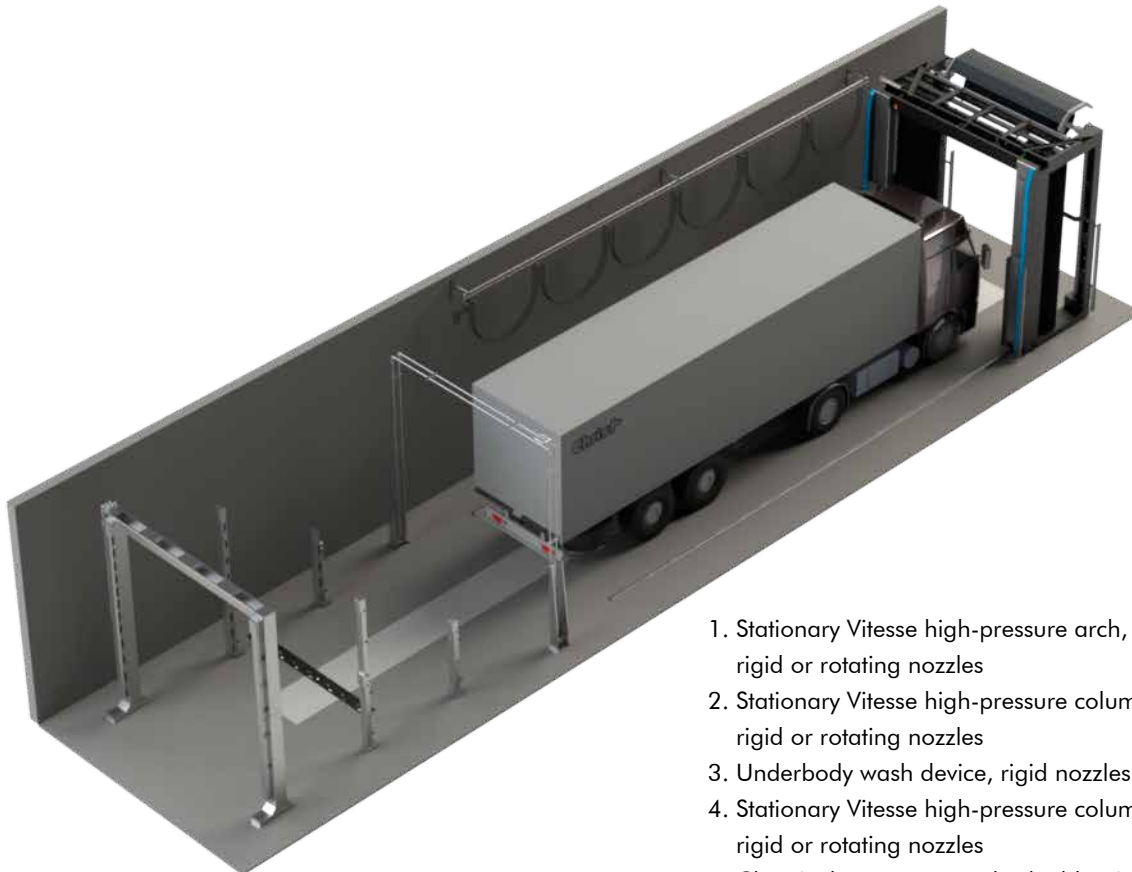
NOVA | New dimensions





NOVA concept

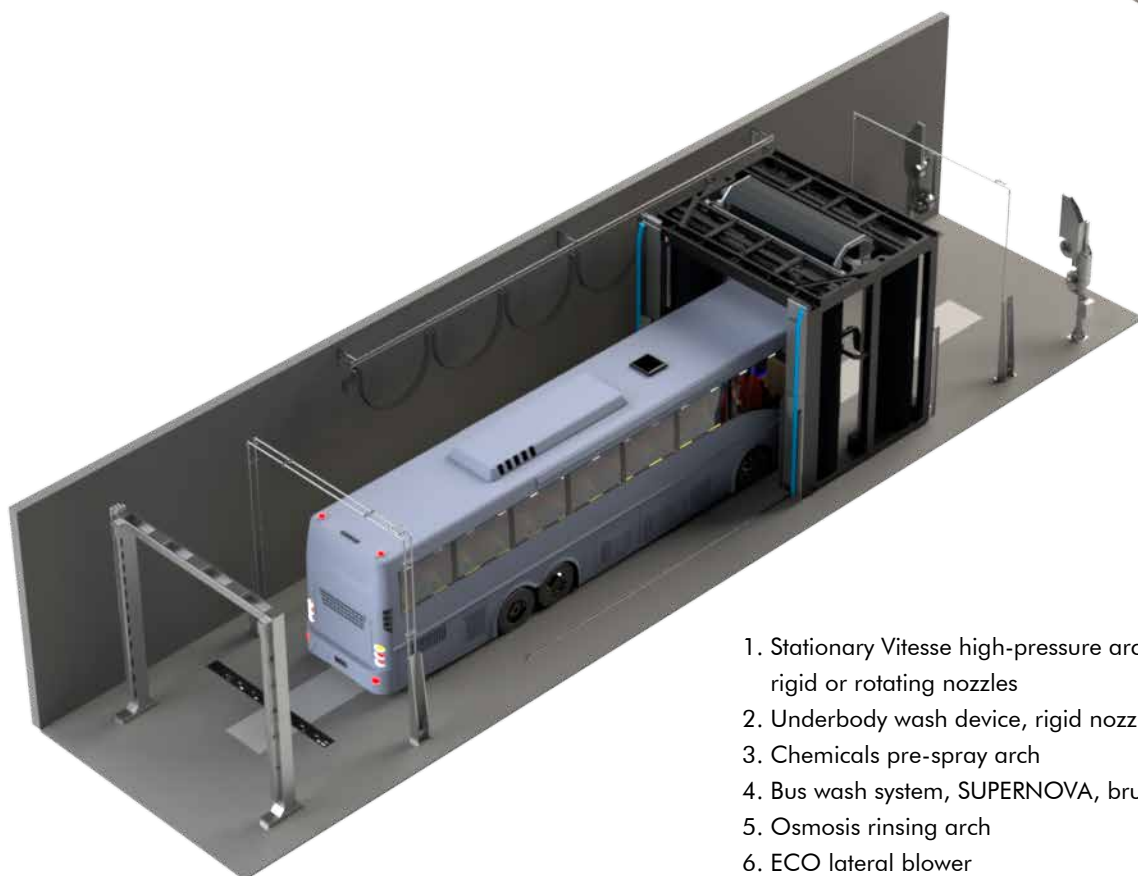
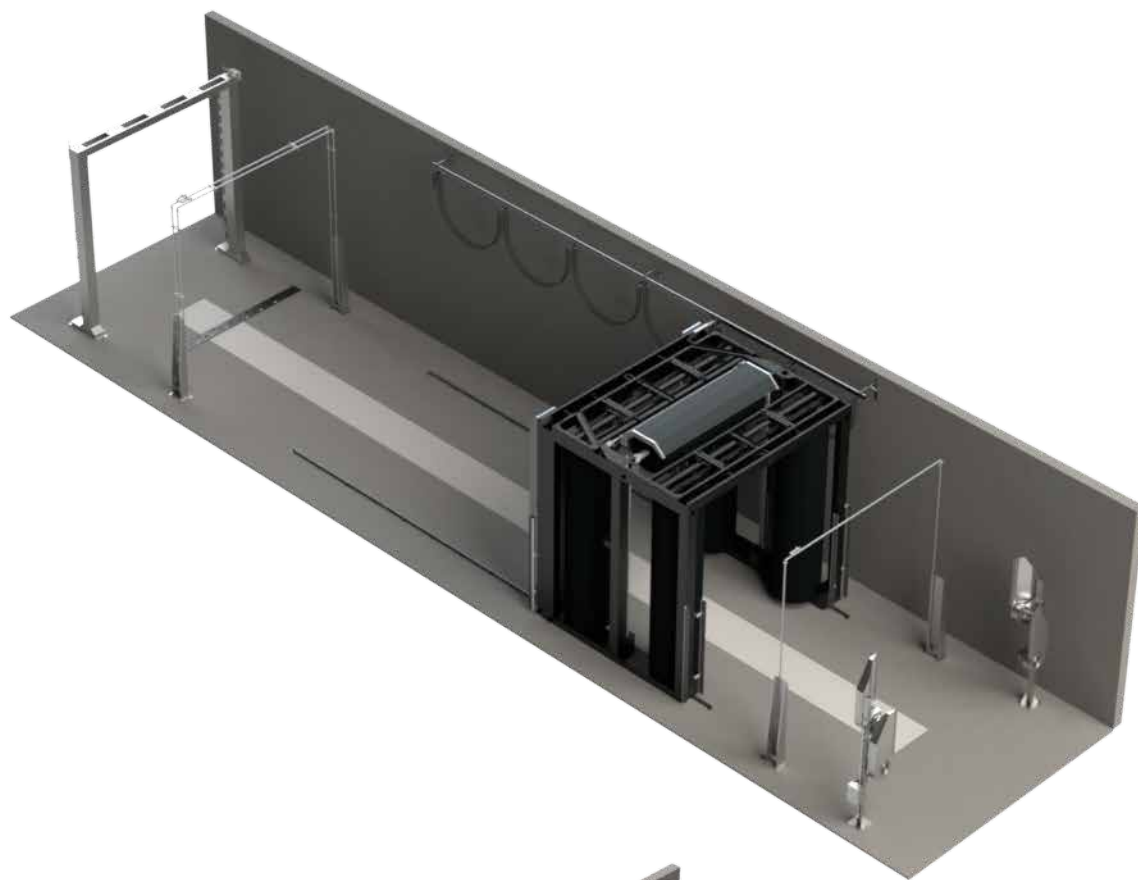
NOVA three-brush commercial vehicle wash



1. Stationary Vitesse high-pressure arch, complete side oscillating, rigid or rotating nozzles
2. Stationary Vitesse high-pressure columns, chassis zone, oscillating, rigid or rotating nozzles
3. Underbody wash device, rigid nozzles
4. Stationary Vitesse high-pressure columns, chassis zone, oscillating, rigid or rotating nozzles
5. Chemicals pre-spray arch, double-piped
6. Truck wash system, NOVA model, three brushes

SUPERNOVA concept

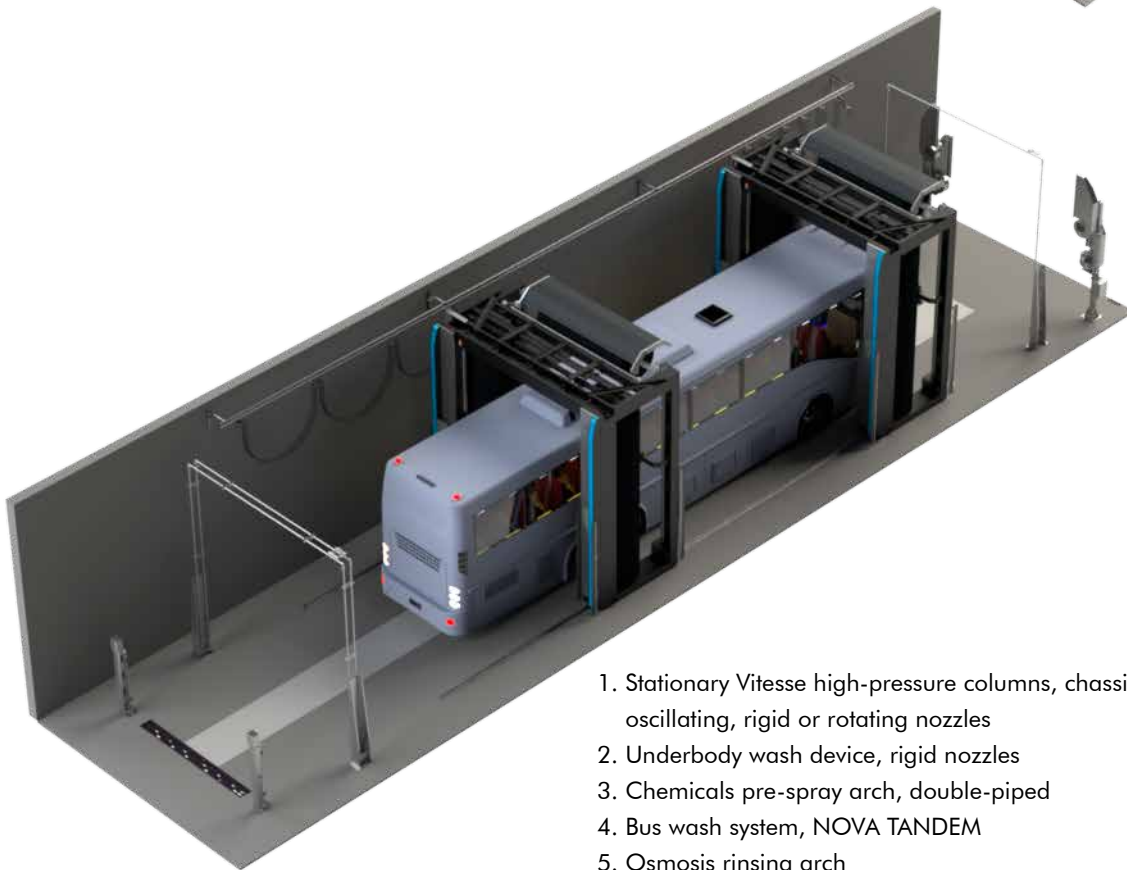
SUPERNOVA five-brush model



1. Stationary Vitesse high-pressure arch, complete side oscillating, rigid or rotating nozzles
2. Underbody wash device, rigid nozzles
3. Chemicals pre-spray arch
4. Bus wash system, SUPERNOVA, brushes, semi-stationary
5. Osmosis rinsing arch
6. ECO lateral blower

NOVA TANDEM concept

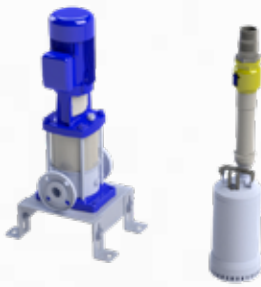
NOVA Tandem bus wash system



1. Stationary Vitesse high-pressure columns, chassis zone, oscillating, rigid or rotating nozzles
2. Underbody wash device, rigid nozzles
3. Chemicals pre-spray arch, double-piped
4. Bus wash system, NOVA TANDEM
5. Osmosis rinsing arch
6. ECO lateral blower

Technology that works and inspires

A matter of course for us



Supply device,
fresh/recycled water, 1.5 kW, 100 l/min, 3 bar
Submersible pump, rain water, 1.1 kW, 180 l/min, 1.1 bar



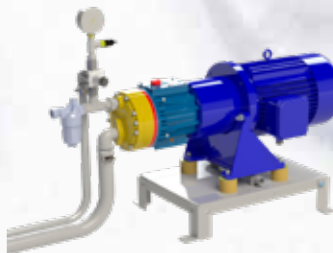
HP pre-wash system, 2x 5.5 kW, 20 l/min, 120 bar



HP pre-wash system, 1x 4 kW, 15 l/min



Supply device, 15 kW, 230 l/min, 20 bar
Supply device, 11 kW, 215 l/min, 15 bar



Supply device, 7.5 kW, 69 l/min, 51 bar or
11 kW, 67 l/min, 80 bar



Supply device, 15 kW, 138 l/min, 51 bar
or 22 kW, 134 l/min, 80 bar



Fresh water mains separation,
storage tank, 700 l



Fresh water mains separation,
storage tank 1000 l



Fresh water mains separation,
storage tank 2,000 l



Optimum functional dimensions

Area	Values	Notes
Machine height	4820 mm*	Without horizontal brush
	5100 mm*	Without horizontal splash protection
	5150 mm*	With horizontal splash protection
Machine width	4600 mm*	Gimbal-mounted lateral brushes
	4880 mm*	Lateral brushes with double bearing
Passage width	3400 mm*	Gimbal-mounted lateral brushes
	3200 mm*	Lateral brushes with double bearing
Wash height	3200–5000 mm	in 100-mm increments
Track width of running rails	4000 mm	Standard
	3430–4400 mm	Optional
Diameter of horizontal brush	915 mm	POWERBRUSH+ SENSOFIL+
Diameter of lateral brushes	1015 mm	POWERBRUSH+
	1050 mm	SENSOFIL+

* STRIPE version with: wash height 4200 mm, wash width 2900 mm, standard running rails, without additional equipment

Design line

Christ colour palette

Highlights — trimming for the wash:

- Increased brush diameter
- Optimised immersion depth for a better wash result
- Better wash performance

Specially coordinated wash materials:

POWERBRUSH+ | SENSOFIL+

Available trimming for the wash colours:

- | RAL 7021 black grey
- | RAL 7037 dusty grey
- | RAL 650-M Christ standard
- | RAL 5015 sky blue
- | RAL 5002 ultramarine blue
- | RAL 6024 traffic green
- | RAL 6018 yellow green
- | RAL 3000 flame red

Available colours for STRIPE and BLADE:

Standard, not illuminated

- | RAL 7021 black grey
- | RAL 7037 dusty grey
- | RAL 9010 pure white
- | RAL 650-M Christ standard
- | RAL 5015 sky blue
- | RAL 5002 ultramarine blue
- | RAL 6024 traffic green
- | RAL 6018 yellow green
- | RAL 3000 flame red
- | RAL 2009 traffic orange
- | RAL 1023 traffic yellow

PREMIUM, illuminated

- | RAL 9010 pure white
- | RAL 650-M Christ standard
- | RAL 5015 sky blue
- | RAL 5002 ultramarine blue
- | RAL 6024 traffic green
- | RAL 6018 yellow green
- | RAL 3000 flame red
- | RAL 2009 traffic orange
- | RAL 1023 traffic yellow

PREMIUM+,

RGB switchable

- | White
- | Blue
- | Green
- | Red
- | Cyan
- | Yellow
- | Magenta

Operation terminal



As standard:

- VARIO-XS
- VARIO-L



TOUCH START foot installation

Additional models can be found in the operating devices brochure



Everything from a single source

...from Christ Wash Systems

over **140 years**
of family tradition

Certificates:
Safety, quality, environment

over **25,000** active
wash systems worldwide

69 distributors, including
8 subsidiaries



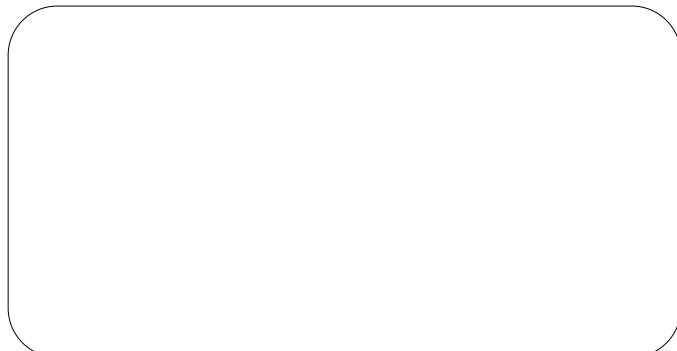
> **97%***
satisfied
service customers

> **97%***
in-house service and
installation technicians

> **98%***
guaranteed plant
engineering availability

> **95%***
first-time
fix rate

* Germany



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