

BHB wash systems are all controlled using freely programmable PLCs. This gives you full flexibility:

- Make adjustments for special vehicle geometries or customer requirements.
- Can be retrofitted for subsequent program needs.
- Wide range of services, such as remote maintenance, operational data collection, etc.

Signal exchange with external systems, such as door control, heating and ventilation systems, or overhead wire deactivation, generally via floating contacts.

Perfect modem connection enables simple machine control and remote maintenance with troubleshooting by BHB in the event of a fault.

The control interface is menu based, configured as one of the following:

- Display with function buttons
- Touchscreen display
- Full PC station.



What does cooperation with BHB mean for you?

- We are a systems provider, meaning you get a complete solution from a single source. This includes pre-planning, foundation plans, wash system, waste water conditioning and recovery, assembly, commissioning and service.
- Our systems are made in Germany. We rely on German quality, working almost exclusively with German suppliers.
- Implementation of special customer requirements in system design and wash procedure.
- Durable systems thanks to highly robust construction with selected components.
- System configuration with stainless steel or category C4/C5 coating.
- Modular system construction allows for adjustments to task changes at any time.
- Open controls.
- At least 2-year warranty, with 5 years and more possible under full maintenance contract.
- Low repair and maintenance costs for entire system.
- Waste water conditioning system with DIBT approval.
- Spare parts guaranteed for 12 years and more.
- Long-term customer service contracts with fixed prices.
- Operator models for complete wash systems.



Waschanlagen Vertriebs GmbH

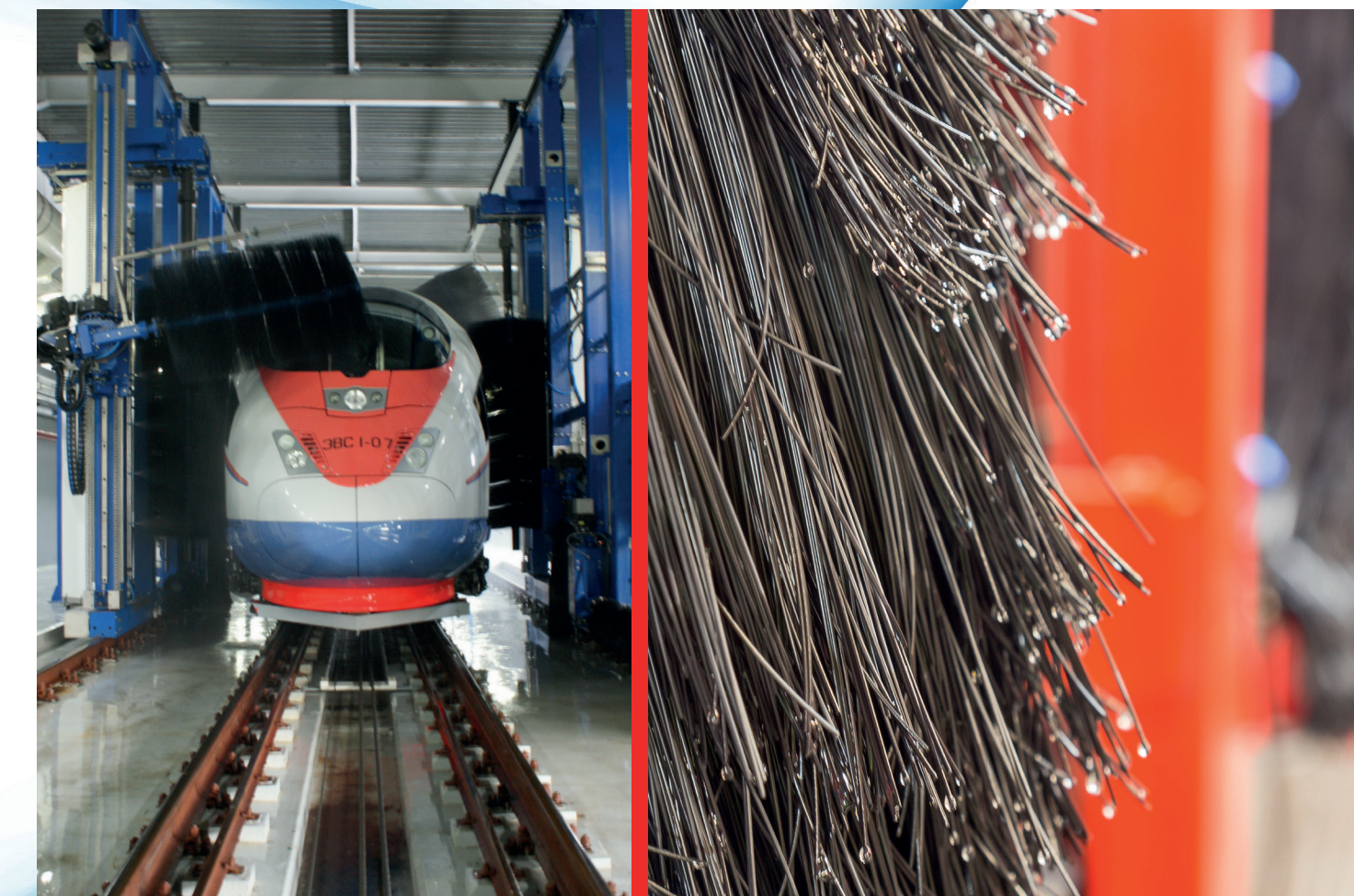
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Waschanlagen Vertriebs GmbH

Planning, production and assembly of washing and water conditioning systems for rail and commercial vehicles.



Controls.

The benefits for you.

The washing experts

Your one-stop systems provider.

The washing experts – That is our slogan.

BHB Waschanlagen Vertriebs GmbH is a family-run business that has specialised in the construction of special machinery and washing systems for over 25 years.

Our team are experts at finding custom solutions to demanding washing challenges. We specialise in the planning and construction of systems for rail and commercial vehicles, including water and water conditioning systems. We work with customers around the world, providing them with high-quality system solutions and washing chemicals, as well as after-sales service.



▲ Wash system for long-distance/passenger trains (above)
Control panel (below)

Type EBW stationary brush stations

Stationary brush stations for washing the sides and (optionally) the roof and skirt areas on trains in drive-through mode.

- Torsion-resistant column design with base plate for ground mounting.
- Pivoting side brush frame with multiple bearings.
- Pneumatically pivoting side brushes.
- Side brushes can be optionally expanded as „Pendolino“ version for washing round train bodies.
- All steel parts with acid-proof C4/C5 coating, bearing and spray systems made from stainless steel.

- Control and switching elements incorporated in switching cabinet on the brush station.
- Additional roof and skirt brushes optionally available.

Type ESTW brush carriage

Built as two self-driving wash carriages with 1-2 side brushes and an optional front brush on each side of the rails.

Configured for washing trains in drive-through wash halls with overhead line, or for washing trolleybuses.

- Torsion-resistant frame design.
- All traverse movements motorised with respective path measurement.
- 3-stage telescopic system for moving the side brushes perpendicular to the track.
- Side brush lifting unit for raising over the buffers when washing the front.
- Optional side brush pivoting in track axis by up to 45°.
- All steel parts with acid-proof C4/C5 coating, bearing and spray systems made from stainless steel.

- Control and switching elements incorporated in switching cabinet on the wash carriage.
- Optional attachment of front brush on separate column, height adjustable, pivotable up to 90° perpendicular to the track.
- Optional 3D pivot: additionally pivotable ± 30° along the track axis.

Type EWR brush wash gantry

Wash gantry for washing the front, side and roof surfaces of trucks and buses, as well as for washing rail vehicles in drive-through halls without overhead line or terminal halls.

- Torsion-proof gantry design made from flashings.
- All traverse movements motorised with respective path measurement.
- Configurations with 1 to 5 brushes available.
- Control and switching elements incorporated in switching cabinet on the wash carriage.
- All steel parts galvanised or with C4/C5 acid-proof coating, spray system made from stainless steel.



▲ Commercial vehicle wash system (above)
Osmosis system (below)



◀ From left to right:
Tram washing system
Cable drag
Bioturbo

BHB – Your systems provider.

Quality without compromises.

Made in Germany.