

Carriage Wash Machine System

Introducing the Emeg e-wash™

The versatile and efficient locomotive external cleaning solution to wash away the day's dirt, leaving clean, ready-to-use carriages for tomorrow's passengers to enjoy.

e-wash™ systems meet a wide range of demands and the highest levels of washing performance, efficiency, cost effectiveness, sustainability and most importantly, health and safety.

Systems can be sized and located to suit the client's needs, from compact entry-level solutions to high performance systems with innovative functions. We also offer a temporary carriage wash machine.

Our in-house design specialists can help with:

- ✦ Design
- ✦ Install
- ✦ Manufacture
- ✦ Maintenance



depotCONNECT®



**MODULAR
SOLUTION**



**FULLY
AUTOMATED**



**REDUCE WATER
CONSUMPTION**



**INTELLIGENT
DATA LOGGING**

Features & Benefits

- ✦ Carriage Wash Machine (CWM) system
- ✦ Efficient automated process
- ✦ Brush or flail
- ✦ Bodyside, eaves, skirts, roof and cab end washing
- ✦ Recycling options
- ✦ Compact standard 12 rotor brush wash
- ✦ Compact standard 8 rotor flail wash
- ✦ Single and bidirectional washing
- ✦ Remote wash selection
- ✦ Versatile systems to suit all depot requirements
- ✦ NR/L2/RVE/0130 compliant
- ✦ Automatic frost protection drain down
- ✦ Drivers' information sign
- ✦ Speed indication signs
- ✦ Emeg maintenance package available
- ✦ depotCONNECT® intelligent data logging

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Design Office:

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Dubai Office:

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Why e-wash™?

Emeg has the inhouse ability and experience to provide the complete carriage wash package in **e-wash™** - from design and installation to training and maintenance. Our decades of working alongside rail depots has enabled Emeg to identify and remove issues encountered by operators to ensure a smooth and efficient cleaning process.

The level of operator interface with the **e-wash™** is entirely at the client's discretion, from a fully automated wash system requiring no interaction to a wash-by-wash selection for those requiring a more hands-on solution.

The **e-wash™** system can be tailored to suit all depot types and sizes, resolving issues such as spacial constraints, environmental conditions and varying rolling stock. Each **e-wash™** is individually designed and customised to meet the client's requirements.

Cleaning System in Automatic Washing Machines

Our cleaning system is sustainable and resource-saving, with the lowest possible risk to humans, machines and the environment. Our innovative technology uses the hydrophilic properties of collagenous proteins to clean rail vehicles and trains, including underground carriages.

Proud to Partner with Crous Chemicals

See page 56 for more information



Temporary Wash

Temporary e-wash™ systems are available to provide an uninterrupted washing service while an existing carriage wash machine is removed and the new e-wash™ is installed.

PH Monitoring

PH monitoring is available on the outfall from the e-wash™ system, with the potential to hold any waste until neutralised sufficiently to be sent to drain.

Overspray Brushes

Overspray brushes are installed on the external and exposed surfaces of the e-wash™ to ensure that only the trains get soaked.

Profiled Brushes & Flails

Brushes and flails are profiled to suit the depot rolling stock to ensure all required carriage surfaces are evenly cleaned.



Permanent carriage wash machine



Carriage wash machine in action



Temporary carriage wash machine

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