



WE DESIGN, DEVELOP AND INSTALL A WIDE RANGE OF BESPOKE TRAIN WASH SYSTEMS TO ENSURE ROLLING STOCK IS KEPT CLEAN.

TRAIN WASH

The rail industry is constantly evolving to keep pace with the demands on the network and the need to provide an efficient and reliable service. Garrandale's close working relationship with the rail industry means that we are always looking for ways to improve the day to day operations of many parts of the railway industry and to use our engineering expertise and considerable experience to provide solutions. Garrandale has drawn on this experience to design, develop, install and maintain a wide range of train wash systems which ensure that rolling stock is kept as clean and pristine as the day it was rolled out of the assembly yard.

AUTOMATIC CLEANING

The aerodynamic nature of rolling stock means that it is increasingly difficult to keep it in pristine condition and, as a result, an innovative engineering design is required to enable effective automatic cleaning.

Garrandale offers a range of modular solutions which are designed to suit the individual requirements of the location and the contours of a range of rolling stock profiles. The flexibility of the design allows for a number of configurations which include drive through or stationary cleaning or a combination of both together with front and rear cleaning. Each bespoke system makes efficient use of the space available and can be configured for single or di-directional washing



RAIL

ENGINEERING

CHEMICALS

INNOVATIONS



ENGINEERING A SOLUTION

Providing the rail industry with the necessary infrastructure to continuously evolve requires the ability to deliver the optimum solution – and to do this we need to embrace the challenges and engineer solutions which meet the needs of the future.

The need to reduce costs in the rail industry is constant and this requirement has led to development of a new train wash system which has been completely redesigned from the ground up.

FLAIL OR BRUSH?

We understand that everyone has different needs and we therefore offer both flail and brush solutions to suit the requirements of each individual train operator.

Many train operators favour a flail solution as it is soft to the touch and as a result if they snag they do not develop sharp edges that can damage the paint, they are also able to hold more chemical cleaner which provides greater lubrication on the painted surface.

A brush solution has its own advantages in that it is smaller in size and as a result is able to get into corners and crevices with greater ease than a flail, however by the very nature of their material, brushes cannot hold a large amount of liquid and therefore a greater surface liquid must be relied upon to provide cleaning and lubrication.

We are able to advise you on the best solution to meet your requirements and ensure that you get the most out of your train wash system.

WATER RECYCLING

Garrandale has also redesigned the way in which the train wash system operates with the introduction of water recycling which works by re-using the waste water in the main wash section with fresh water being used for the final rinse.

Water recycling can be incorporated into new plant and retrofit applications to give cost savings from a reduction in the use of fresh water.

MAINTENANCE PACKAGES

There is more and more pressure on maintenance depots, where an increasing schedule of maintenance is required on a daily basis using a site, equipment and technology which was fit for purpose when it was designed decades ago. Our extensive experience in the design and installation of train wash systems together with our team of PTS certified engineers means that we are also able to offer a full range of maintenance packages which are designed to extend the operating life of your equipment. These range from simple Planned Preventative Maintenance (PPM) contracts right through to an all-inclusive option for periods of up to 30 years.

For further information on our maintenance packages please refer to our Maintenance data sheet.

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