

Case Study

Jewers Doors Open Hitachi's Flagship Rail Manufacturing Centre

SUMMARY

Overview

Industry: Railway depot
Solution: Swift fast-acting, bi-fold doors and Osprey multi-leaf sliding folding door

Benefits

- Accommodates OLE cables and railway lines.
- Fully open in under 10 seconds
- Fail-Safe security features to prevent injury during operation
- Fully insulated for thermal efficiency and noise reduction



About Jewers Doors Ltd

Jewers Doors is a world-leader in the design, manufacture, installation and repair of industrial doors across all industrial sectors.

Jewers Doors have been installed not only in the UK, but also throughout the world including Europe, Middle and Far East and New Zealand.

Specialist industrial door manufacturer Jewers Doors have installed several of its Phoenix range sliding folding doors at Hitachi's new UK rolling stock manufacturing centre at Newton Aycliffe, Co Durham.

The Challenge

The industrial doors to the production unit had to be aesthetically pleasing and reflect the style of the modern high tech manufacturing plant. Practical issues such as closing around live overhead electrification lines (OLE), multiple rail tracks to cross, integration with the building management systems and the need for doors to open externally in all conditions had to be considered.

Front Access Doors

At the front of the building, four Swift-SEW bi-folding doors, specifically designed for the rail industry were installed. Each door comprises four panels, with two leaves folding to each side on the outside of the building. A newly developed high torque centrally mounted drive unit takes less than 10 seconds to open the door fully. Operator safety is ensured with full height pressure sensitive safety edges and photocell beams to create a safe zone around the door



Rear Access Doors



The rear door crosses six rail tracks so a standard continuous bottom track was impractical. Jewers therefore designed, manufactured and installed a 25 metre Osprey multi-leaf sliding/folding door. Each door section is manually operated and secured in place with lockable full height espagnolette bolts which also act as the pivot point for each pair of leaves. The espagnolette bolt incorporates a bottom guide, which when withdrawn, enables door leaves to be moved to the sides without interfering with the rail tracks.

Do you need a full inspection report on an old or failing door or a professional company to survey openings and quote a price for new doors?

Jewers Doors are a DHF accredited company and operate under strict guidelines to advise on the best and safest solution for each application and provide an expert service that is second to none.

For further information e-mail Mark Jewers mjewers@jewersdoors.co.uk