



# WHEELS

THE COMPLETE SERVICE

*HUNSLET-BARCLAY'S WHEEL SHOP AT KILMARNOCK IS A MODERN FACILITY WITH THE CAPABILITY - AND CAPACITY - TO MEET CUSTOMERS' DEMANDS.*

The operation boasts over 25 years experience serving the UK rolling stock sector and has been the subject of continual investment during this period – the latest being in CNC Boring and Shrink Fit facilities and the introduction of dynamic balancing equipment for passenger-rated wheel sets.

Workshop optimisation using Kaisen methods and the adoption of 'lean manufacturing' processes allied to excellent storage facilities enables the operation to achieve its mission – to deliver quality-based products and services that exceed the expectations of customers.

## **HUNSLET-BARCLAY**

DEDICATED  
RAIL VEHICLE  
ENGINEERING



# WHEELS

## THE COMPLETE SERVICE

THE COMPREHENSIVE RANGE OF SERVICES PROVIDED BY THE WHEEL SHOP, WHICH IS EQUIPPED WITH FOUR 10 TONNE AND ONE 5 TONNE OVERHEAD CRANES, EFFECTIVELY PROVIDE CUSTOMERS WITH A ONE-STOP-SHOP FOR WHEEL WORK. SERVICES AND EQUIPMENT INCLUDES...

### THE COMPANY

Hunslet-Barclay employs c. 100 people in Kilmarnock engaged in the overhaul of rolling stock and subcomponents for both passenger and freight clients.

The two core business streams include:

- Classified overhaul & re-engineering of vehicles
- Supply of new and overhauled vehicle components including
  - wheelsets
  - Mechanical components
  - Spares

21st century service with a 160 year pedigree

### ■ CLEANING

- Non metallic aqua blast unit. ISO 14001 compliant, blasting to different specifications if required

### ■ BEARING EXTRACTION EQUIPMENT

- Ranging from 100 – 150mm phase cartridge and spherical.

### ■ WHEEL REMOVAL

- 300 tonne force capability

### ■ SKF INJECTION FOR WHEEL MOVEMENT

### ■ NON DESTRUCTIVE TESTING

- Power Scan 400 U.A.T. (Ultrasonic Axle Testing)
- Split Coil Magnetic Particle Inspection
- Hand Magnet Inspection
- Eddy Current Testing

### ■ 150 TONNE WHEEL PRESS (LOAD CELL CAPACITY)

### ■ SHRINK FIT PROCESS

- Via new heating ovens (2003)

### ■ WHEEL REPROFILING

- Up to 1.1m diameter

### ■ DYNAMIC WHEEL BALANCING

- New balancing machine for Passenger– rated wheelsets (2003)

### ■ VERTICAL WHEEL BORING

- 60" diameter – new CNC borer (2004)

### ■ INDUCTION BEARING HEATERS

### ■ CALIBRATION GAUGING EQUIPMENT

- Full range available

### ■ BEARING OVERHAUL

- Bearing Washers – Two centrifuge units

### ■ AXLE BOX MANGANESE LINER REPAIR AND REPLACEMENT

### ■ WHEEL & AXLE MOUNTED BRAKE DISC OVERHAUL, REPAIR OR REPLACEMENT

### ■ GEARBOX FINAL DRIVE OVERHAUL AND REPAIR

### ■ ERP SYSTEM ENSURES CLOSE CONTROL OF MATERIAL AND WIP

### ■ REPAIR AND REPLACEMENT

- Strategic stock holding
- Components are sourced from all major suppliers including Timken, SKF, Lucchini, SWASAP and Railpart.

### ■ PAINT SHOP FACILITY

- BRB1

### ■ ACCREDITATIONS

The Wheel Shop is fully accredited to BS EN ISO 9001:2000 and complies with the following:

- Railway Group Standards Compliant
- GM/RM 2525INF (Overhauler Code:AB)
- GM/RT 2005 □ GM/RT 2466
- GM/RT 2030 □ GM/RT 2516
- GM/RT 2450 □ GM/RT 2470 (November 2004)
- GM/RT 3260
- Competence Mangement Compliant HBCA001

### ■ LOCATION

The Wheel Shop is located at Hunslet-Barclay's dedicated rail vehicle engineering works at Kilmarnock which is equipped with direct rail access and is close to the motorway network.

- Network-wide collection and delivery service available.

Further information about our Wheel Shop facilities is available from:

## HUNSLET-BARCLAY

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