



R BAKER (ELECTRICAL) LTD

Rail & Transport Services

OUR CAPABILITIES

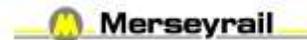
Building our business



OUR EXPERIENCE

- R Baker (Electrical) Ltd is a long-standing supplier to the rail sector carrying out ongoing day-to-day projects for some of the biggest names in the industry, including; Merseyrail, Unipart Rail and Tube lines.
- Our multidisciplinary teams offer in-depth experience and understanding of rail equipment including the manufacture and repair of a wide range of items.
- The operation of safe, efficient and cost-effective railway systems is vital for any rail operator or supplier to the rail sector. As a supplier to the railway industry, we can demonstrate we have the processes, competencies, resources and procedures to comply with vital quality and regulations required.
- [Click here to take a full overview of R Baker \(Electrical\) Ltd.](#)

Our Clients



OUR SERVICES

Manufacturing Services

- Transformers
- Reactors
- Control panels
- Rail codified resistors
- Coils, contactors windings
- Manufacture of obsolete equipment
- Supply of motors, fans and pumps
- Custom-made rail equipment
- Aluminium wound products

Repair Services

- Transformer repairs up to 1MVA
- Electronic board repairs
- Overhaul obsolete equipment
- Repair of motors, fans and pumps
- Reverse engineering capabilities
- Strip and survey reporting

[Click here to take a full overview of R Baker \(Electrical\) Ltd.](#)

Accreditations



TRANSFORMERS

We are able to design, supply, install and commission transformers. R Baker (Electrical) Ltd has supported many major UK and International rail projects.

Being at the cutting-edge of technology, we pride ourselves on our customers' requirements both on budget and on time. As a result, R Baker (Electrical) Ltd customers' commend us for our in-depth experience, broad technical expertise, long-term partnership management, impartial advice and reliability.

Range includes

- Transformers from 100VA up to 250kVA

Features

- Transformers
- Three phase / single phase transformers
- Open type / enclosed style transformers
- Isolation transformers
- Shock-tested
- Low magnetic signature
- Custom design standards

[Read more about our transformer services](#)

Products



TRANSFORMER REWINDS

R Baker (Electrical) Ltd rewind, overhaul and maintain transformers. We have supported many major UK rail companies.

Repairing a transformer instead of replacing with a new transformer can substantially reduce investment costs and provide a faster turnaround. Furthermore, to maximise the assets' technical life, a refurbishment or overhaul can be an intermediate action when no failure has occurred and the ageing of the active part has reached a stage where the continued reliability of the transformer is unacceptable.

Services include

- Rewinds up to 500kVA
- Transformer maintenance
- Strip, survey and report of transformers
- Repaired to rail standards

[Read more about our transformer rewind services](#)

MOTORS, PUMPS & STATORS

We stock a large range of electric motors, from leading manufacturers including; Tec, Marelli, Brook Crompton, Entec and Weg. We can supply equivalent specification alternatives to all brands of motors.

We also offer a comprehensive maintenance and rewind service for all of your electric AC/DC motors. This service includes the overhaul and rewind of armatures and field systems.

Services include

- Supply motors, fans and pumps.
- Armature rewinds
- Motor, pump and fan repairs
- Stator rewinds

[Read more about our mechanical services](#)

Products



COIL WINDING

Our expert coil design and manufacturing team provide a fast and competitive service. We offer a full range of magnetic products and wound components to exact customer specifications.

Our team have an in-depth understanding of different applications of electro-magnetic coils. Therefore enabling us to rewind and manufacture to any specification you may require.

Services include

- Encapsulated coils
- Switchgear coils
- Contactors and relays
- Coils rewind service

[Read more about our mechanical services](#)

Products



FUSE & DISTRIBUTION PANELS

R Baker (Electrical) Ltd have a dedicated in-house product manufacturing team who design, manufacture and supply an extensive range of certified fuse and distribution panels. These are for use across a range of sectors including hazardous areas and rail application.

Range includes

- Fuse panels to rail standards
- MCCB, MCB, RCD panels available

Services include

- Custom built panels to rail standards
- Switchboard panels
- Distribution boards

[Read more about our panel services](#)

Products



STRIP & SURVEY REPORT OF RAIL ITEMS

We offer a full strip and survey service on electrical items. R Baker (Electrical) Ltd has supported many repair programmes, which includes reporting and repairing on a wide range of electrical equipment.

Services

- Equipment inspection and full strip down
- Preparation of strip and survey reports
- Fault analysis and repair
- Visual and electrical inspection
- Overhaul existing components
- Manufacture new components
- Re-assembly and testing

Examples of Equipment

- Electronic boards (PCB)
- Control systems
- Fans
- Fuse Panels
- Transformers
- Motors

[Read more about our repair services](#)

Products



CUSTOM MADE RAIL EQUIPMENT

R Baker (Electrical) Ltd have a dedicated in-house product manufacturing team who design, manufacture and supply an extensive range of equipment for rail and trackside application.

Examples of Equipment

- Changeover switch units
- Control systems
- Voltage stabilises
- Resistors
- Electrical test equipment
- Distribution panels
- UPS systems
- Load banks
- 3D printing of obsolete equipment
- Power supplies
- Reverse-engineering capabilities

[Read more about our services](#)

Products



RAIL SERVICES – CASE STUDIES

Case Study: Unipart

R Baker (Electrical) Ltd has supported Unipart Rail for over 20 years. We currently repair and overhaul a range of motors, contractors and coils.

This includes full strip and survey reporting, through to overhaul and maintenance of electrical and mechanical products.

Case Study: Tube Lines

We currently manage and overhaul aluminium wound transformer rectifier units for Tube Lines. Our management team have worked closely with Tube Lines to implement a speedy strip and rewind service.

This has resulted in building a great working relationship with Tube Lines.

Products



MORE INFORMATION

If you have any requirements or would like to discuss a future project with our team please contact:

Tel: 0151 486 6760

Email: mail@rbaker.co.uk

Website: www.rbaker.co.uk