

DRB Group
First Avenue
Deeside Industrial Park
Deeside
Flintshire
North Wales
CH5 2QR

Tel: 01244 280280
Fax: 01244 288367
Email: email@drbgroup.co.uk
www.drbgroup.co.uk



**ENGINEERING, MAINTENANCE AND
PROJECT MANAGEMENT SERVICES**

ENGINEERING, MAINTENANCE AND PROJECT MANAGEMENT SERVICES

DRB is an integrated mechanical and electrical services group providing maintenance and project engineering support to the manufacturing, processing, utilities and rail industries.



We offer a range of maintenance and project engineering services including:

- **Supply of engineering components**
- **Asset condition monitoring and predictive maintenance**
- **Maintenance, repair and overhaul of existing plant and equipment**
- **Design, manufacture and commissioning of new plant and equipment**

Founded in 1976, we have grown into one of the leading privately-owned engineering companies in our sector. Today we employ 200 skilled staff and work with many of the largest manufacturing/processing companies in North Wales and North West England – helping them to reduce the operating and maintenance costs of their plant and equipment, keep their plants running and improve health and safety.

Whether it's mechanical, electrical or fluid power, whether it's refurbishment of existing or supply of new, DRB Group offers expert advice, quality products and outstanding service.



Expert technical advice

At DRB we offer more than just supply and maintenance of components and equipment. Our product range is backed up by a team of engineers, designers, product specialists and dedicated account managers who work with our clients to provide well thought out, long-term, cost effective solutions to engineering problems.

- **Specification and selection of components and materials**
- **Design of parts, equipment and processes**
- **Advice on repair or replace**
- **Application advice and value engineering**
- **Sourcing, re-engineering or manufacturing of obsolete products**

Divisions

DRB's six specialist divisions provide expertise across mechanical, electrical and fluid power technologies:



Engineering components supply



Electrical rewind and mechanical overhaul of motors, generators and alternators



Machining, fabrication and installation



Servicing of pumps, valves, hydraulics and pneumatics



Design of plant and equipment, and preventative and predictive maintenance services



Management of complex projects to develop new plant and equipment

Quality products

DRB has a well-earned reputation for the quality of our engineering solutions - whether it is a single sourced component, the repair of a piece of equipment or the manufacture of parts or machinery. Each year we invest in the updating of our production and testing equipment and in the training and development of our people to ensure we maintain the high standards for which we are known.

- **Supply chain partnerships with leading component and material manufacturers**
- **ISO9001 certified since 1992**
- **Additional independent certifications including ACOP01003**
- **Full staff training and development**

Outstanding service

Since the beginning, DRB's success has been based on our absolute commitment to building strong customer relationships based on outstanding service and support. We pride ourselves on providing a service that is flexible and responsive to the needs of our customers.

- **24/7 call-out across the divisions**
- **Quick turn-around for emergency repair work**
- **Free delivery and collection through our own vehicle fleet**
- **Broad range of products and services to offer a complete maintenance and engineering solution**



DRB COMPONENTS

Engineering components supply

- Supply of a broad range of high quality products from leading manufacturers
- Technical support in selection and specification of engineering components
- Kitting and spares
- Full stock/stores management and auditing

DRB Components supplies a wide range of engineering parts and equipment - we work in partnership with the leading suppliers of engineering components to offer expert advice, high quality products and an unrivalled 24/7 delivery service.

On top of this we offer product and application advice and support to ensure the best product is used for each application. We also work with our supply chain partners to identify opportunities to introduce relevant new products to help reduce our clients' maintenance and operating costs.

DRB Components product range

We have over 17,000 lines of stock including:

- Bearings
- Power transmission components
- Motors and drives
- Hydraulics and pneumatics
- Pumps and valves
- Industrial fasteners
- Spill control
- General engineering consumables



Electrical rewind and mechanical overhaul of motors, generators and alternators

- Full mechanical overhaul and electrical rewind
- Vibration analysis to identify motor problems
- Full load testing and dynamic balancing
- Specification and supply of new motors, drives and control systems

DRB's electrical division offers a full repair service including electrical rewind and mechanical overhaul for AC and DC electric motors, ATEX motors, generators and alternators. We also provide on-site support including installation and condition monitoring.

We offer a range of predictive and preventative maintenance techniques including vibration analysis, dynamic balancing and laser alignment to help ensure that motors and other rotating equipment are installed correctly and operating efficiently. This leads to reduced energy consumption, fewer maintenance requirements and increased equipment lifetime.

DRB also supplies a wide range of new motor and drive products from leading manufacturers including Brook Crompton, Mitsubishi, SEW Eurodrive and Baldor Dodge. We have dedicated support staff to help you understand the changing legislation, and to advise on the best combination of motor and drive technology for specific applications.





DRB MANUFACTURING

Machining of new parts and machined repairs to existing components

- Milling, turning and grinding of new parts from a diverse range of materials including plastics, mild and stainless steel, aluminium, copper and titanium
- Machined repair/refurbishment of existing components
- Design and build of assemblies combining sheet metal fabrication and machined components

For machined components, DRB provides full support from design and manufacture right through to assembly and installation - all by fully trained DRB staff.

We have one of the most comprehensively resourced machine shops in the UK. Whether it's milling, turning or grinding, we have a range of machines, from small to large and from traditional to modern CNC, enabling us to perform a wide range of machining projects.

All this is backed up by a highly experienced team of design engineers, engineering estimators and machine operators ensuring we provide a high quality machining service.



Fabrication and welding in mild steel, stainless steel and aluminium

- Fabrication in mild steel, stainless steel and aluminium
- Welding coded to BS EN 287 Part 1
- Vessel repairs
- Design and installation of pipework

DRB offers a full fabrications and welding service to our clients, from on-site support 24/7 through design, fabrication and installation.

We have facilities in our workshops to cut, drill, bend and weld steel of all thicknesses. Linked with our engineering design service we can fabricate or repair anything from simple handrails and guards to steel structures, access equipment, chutes, gantries, bridge sections, hoppers and complex conveyor systems.



On-site support including fabrication, welding, pipework and installation

- Contract labour covering a wide range of disciplines
- Removal, installation, repair, modification and re-design of plant and equipment
- Re-chaining of conveyors
- On-site welding and fabrication
- Design and installation of pipework

DRB offers a wide range of on-site services to support our clients. These range from provision of general contract labour to specific projects such as re-chaining conveyors, designing and installing pipework, or removing, modifying and re-installing machinery.

All of our site operatives are appropriately trained in site health and safety including CCNSG Safety Passport, CSCS, SPA food hygiene and confined spaces.





DRB FLUID POWER

Repair and servicing of valves

- Full overhaul including mechanical parts and instrumentation
- Testing and re-setting
- Removal, reinstallation and commissioning
- Supply and setting of new valves from leading manufacturers

We provide a full servicing, repair and testing service for all types of process valves from small solenoid valves to large motorised valves. We also have extensive testing facilities for both fluids and gases to ensure the valves are set and operating correctly.

Repair and servicing of pumps

- Servicing and repair of pumps including on-site repairs
- Servicing/replacement of mechanical seals
- Full installation service including pipework
- Specification and supply of new pumps from leading manufacturers

We service and repair a wide range of industrial and heating pumps including submersibles using genuine parts. All pumps are also performance, pressure and leak tested using our vacuum and centrifugal test rigs as appropriate. We also service and repair mechanical seals.



Design, installation and maintenance of hydraulic and pneumatic systems

- Full maintenance and repair service for hydraulic and pneumatic systems
- Design, build and installation of complete hydraulic and pneumatic systems
- Specification and supply of hydraulic and pneumatic components

We have a team of dedicated engineers who specialise in the supply, servicing and maintenance of all types of hydraulics and pneumatics. In addition, we have the facilities to perform full pressure testing of these systems.





DRB ENGINEERING

Design of plant and equipment

- **Designing mechanical parts and components**
- **Designing new machines including mechanical and electrical systems**
- **Redesigning existing components and systems to adapt processes to new needs**

DRB offers a full mechanical design service to support our manufacturing and project divisions. We do initial concepts and detailed designs, and provide manufacturing drawings for components and systems that are subsequently manufactured by DRB.

Our design service covers everything from re-design of individual machined components right through to the design of complete pieces of equipment and machinery.



Preventative and predictive maintenance services

- **Dynamic balancing**
- **Laser alignment**
- **Vibration analysis and monitoring**
- **Ultrasound testing and diagnostics**
- **Thermal imaging**

DRB Engineering offers a suite of preventative and predictive maintenance techniques which can help to ensure that your plant is running efficiently, minimising reactive maintenance and repair costs and reducing energy consumption and the associated costs.

Preventative techniques include dynamic balancing of motors, fans, generators and all other types of rotating equipment and laser alignment of shafts connected via a coupling. For predictive maintenance, techniques such as vibration analysis, ultrasound and thermography are used to diagnose both mechanical and electrical problems.

Instrumentation and Control

- **Full instrumentation and control system design and installation**
- **Electrical design, installation and control panel manufacture**
- **System integration of PLC, HMI and SCADA software**
- **System support (including remote support) and training**

DRB develops instrumentation and control solutions incorporating automation, control and monitoring. We support all the leading brands and offer solutions including project management, electrical design, electrical installation and software development and commissioning.

Management of complex projects to develop new plant and equipment

- **Design of new equipment or modifications to existing equipment**
- **Manufacture, sourcing of components and assembly**
- **Installation including integration with existing plant**
- **Commissioning**

DRB Projects brings together all the disciplines of the Group to develop plant and equipment for our customers.

We manage complex projects that include the design, manufacture, installation and commissioning of new plant or modification and overhaul of existing plant. Examples of projects we have completed include food processing and packaging equipment, conveyor systems, pick and place systems and bespoke test equipment.



DRB PROJECTS



One of our great strengths is our ability to call on the breadth of knowledge and skills within DRB's divisions. We have in-house expertise that spans overall design, specification and sourcing of components, machining and fabrication of parts and design of hydraulic, pneumatic and electrical systems. Our project team brings all these areas together to ensure we deliver the required solution, on-time and within cost.

