



We can handle it.



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# CLARKE CHAPMAN

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Profile

[www.clarkechapman.co.uk](http://www.clarkechapman.co.uk)

## about

...producer of specialist lifting and handling equipment to the nuclear, defence and railway sectors.

Clarke Chapman primarily produces specialist lifting and handling equipment and provides support services for the nuclear, defence and railway sectors.

During the 1990's, under the ownership of Rolls-Royce, Clarke Chapman incorporated the companies Wellman Booth, Stothert & Pitt and Cowans Sheldon to become Rolls-Royce Materials Handling.

In December 2000, the company was acquired by the current shareholder – family owned British engineering group, Langley Holdings plc.




Clarke Chapman group headquarters, Gateshead, Tyne & Wear, England.

## what we do

Clarke Chapman takes pride in its rich heritage, featuring globally acclaimed crane brands, guaranteeing our capability to handle any lifting challenge.



 Established in 1833, Wellman Booth has a reputation for excellence in the overhead travelling crane technology used in various sectors including the nuclear and steel industries.



 Founded in 1866, Cowans Sheldon has an unrivalled heritage in railway lifting technology. Today, our expertise focuses on design, consultancy and refurbishment solutions.



 Experts in dockside and offshore crane technology since 1785 and with many hundreds of cranes still in operation today, we provide consultancy services, retrofits and refurbishment as well as supplying OEM parts.



 Since 1910, Mackley Pumps has been manufacturing and consulting on industrial pumping solutions across a wide range of high-pressure and harsh environment applications.



 Founded in 1892 JND has provided rotary drying and cooling solutions for applications such as food processing, cocoa and sugar; minerals, metals and gypsum.



**Clarke Chapman Facilities Management** leads with bespoke solutions enabling customers to focus on their core business, while **Clarke Chapman Services** offers comprehensive support, installation, repair,

and refurbishment services. No matter the challenge, from relocating ladle transfer cars to extending the operational life of cranes, you can trust our 'can-do' attitude to get the job done.

# bespoke handling solutions



Specialists since 1833 in the design and manufacture of bespoke mechanical handling equipment.



Wellman Booth nuclear fuel and waste handling.

For demanding environments requiring advanced crane technology, Wellman Booth excels in overhead travelling cranes. Used in power stations, ports, fuel reprocessing plants and more, our high-integrity cranes are trusted in steelworks, defence, and nuclear facilities.

## Nuclear

Wellman Booth is a leading producer to the nuclear industry. We specialise in designing, manufacturing, and supplying high-integrity cranes for handling highly radioactive nuclear fuels and waste, setting unparalleled standards of safety and reliability.

## Steel

As a leading manufacturer of heavy-duty cranes for steelworks and associated handling duties, Wellman Booth produces robust and reliable equipment capable of efficiently lifting and transferring large tonnages of molten steel through various processes, operating non-stop.

## Defence

Precision is vital in the defence sector. We prioritise accuracy, efficiency, and reliability adhering to the strictest standards for specialised handling systems. Our tailored solutions ensure precise asset handling, even in challenging environments.



Clarke Chapman produced the transfer car system used to launch the latest Astute Class nuclear submarine, HMS Audacious.

**COWANS SHELTON**

An unrivalled heritage in the provision of Rail Lifting technology.



Cowans Sheldon 140 tonne rail crane.

Since 1866, Cowans Sheldon has been a pioneer of modern railways, designing and producing state of the art multi-tasking cranes and related rail equipment.

Cowans Sheldon long welded rail transportation delivery and recovery systems are widely used in the UK rail industry, delivering 32 CEN60 type rails, 2 simultaneously either

side of the train in lengths of up to 216m in a 3 hour possession period. In areas of heavy wear, the systems are capable of uplifting and transposing rail. Similarly, we can provide systems for the recovery of scrap rail of up to 18m in length along with sleepers, clips and other track debris. We also offer refurbishment and maintenance services.



Cowans Sheldon track laying technology.

# specialist expertise



Stothert & Pitt

Utilising an extensive heritage of design and research in the development of precisely engineered lifting machinery.



Typical Stothert & Pitt offshore installation.

Founded in 1785 by ironmonger George Stothert and recognised as an important industry pioneer, Stothert & Pitt now provides dockside and offshore crane technology services and support.

Ongoing research holds us today in an enviable position for consultancy and refurbishment, not only with the many original Stothert & Pitt cranes still in operation around the world but in dockside and offshore loading technology in general.

When it comes to retrofitting and upgrading existing cranes, we can provide safety protection systems to safeguard cranes against sustained overloading in the event of a tangled hook, for example.

The Wave Compensation System aids offshore crane drivers in selecting the best time to lift loads from supply vessel decks in rough seas. Ergonomic cabins provide drivers with excellent visibility.

## Mackley Pumps

A leader in pumping technology since 1910, providing solutions to harsh and critical application environments.



Mackley Pumps workshop.

Mackley provides pumping solutions tailored for long-term deployment across a diverse spectrum of industries, including mining, water supply, irrigation, oil & gas, chemical processes and the nuclear power sector. Our solutions prioritise high reliability and low maintenance, meeting the stringent requirements of each industry.

Originally manufacturing positive displacement pumps for de-watering collieries, Mackley soon established itself as a respected manufacturer of quality engineered centrifugal pumps. Today we manufacture and supply an ever-growing range of fluid handling equipment to industry across the globe, from individual bare-shaft pumps to the turnkey bespoke pumping systems.



## Experts in Thermal Processing Technology.

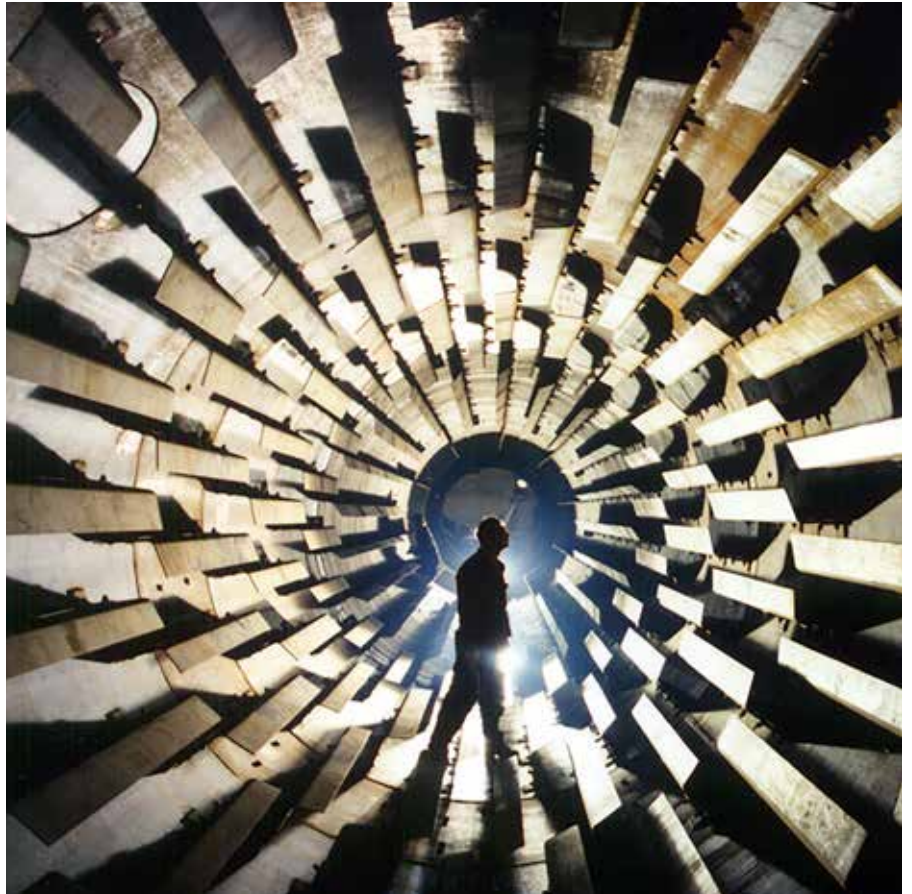


Rotary Calciner for Cocoa Nibs.

Jenkins of Retford and Newell Dunford (JND), established in 1896 and 1892 respectively, are recognised as global authorities in rotary drying technologies and mineral processing equipment.

With a dedication to exceptional client service, each project receives thorough management from start to finish, ensuring it meets the specific requirements of our clients.

This culminates in a comprehensive range of products, such as rotary cascade dryers, louvre dryers, calciners and ball mills, serving the diverse needs of the food processing, minerals, and chemical industries worldwide.



Rotary Dryer.



# refurbishment & service

A suite of services to keep industry moving.



Cabin refurbishment.

All around the world, cranes and materials handling equipment manufactured and supplied by the Clarke Chapman Group are in daily operation. Supporting them, as well as other manufacturer's equipment, is Clarke Chapman Services, bringing a wealth of experience to the installation, relocation, repair and refurbishment of major plant.

#### **Relocation, accident salvage and repair**

Even in the highly safety-conscious world of materials handling, accidents sometimes happen. Manoeuvring vast freight-carrying ships alongside dockside cranes for loading leaves tiny margins for error – particularly when such delicate operations are further

hampered by storms and strong winds. Even a barely perceptible collision between a container ship and a crane can cause immense structural damage imposing costly down time and considerable health and safety risks. Our 24-hour emergency services deploy teams at short notice to make damaged equipment safe and then embark on full structural repairs with minimal disruption to ongoing operations.

#### **Electrical control systems**

The intelligence at the heart of any modern crane is its electrical control system. We have the expertise in the complex systems that control every element of a crane's activity.



Onsite electrical control system installation.



Wellman Booth 480 tonne crane main trolley unit upgrade.

# facilities management

Outsourced maintenance solutions to help lift the load.

With customers' requirements often changing quickly, facilities management providers must be quick to react. We can provide a range of skills that can be rapidly adapted to the requirements of any particular business

or industry. Clarke Chapman Facilities Management provides a full electrical safety package, including testing, inspecting all fixed wiring installations, portable appliances, emergency lighting and fire alarms.

By trusting maintenance to Clarke Chapman, you can concentrate on running your core business.

Clarke Chapman Facilities Management supports the UK railway industry.



Clarke Chapman Facilities Management at MOD dockside facility.



Clarke Chapman Facilities Management has the skills to service a wide range of applications.

# manufacturing resources

We have been manufacturing the highest specification cranes and materials handling equipment for over a century.

A multi-disciplined manufacturing, assembly and test facility

The Clarke Chapman tradition of excellence continues today, through the continued investment in state-of-the-art machinery installed in our Gateshead works.

As well as manufacturing our own products, we have built an enviable reputation in build-

to-print and sub-contracting services with many clients in the renewable energy, steel, military, marine, nuclear power and waste handling sectors. While offering a bespoke manufacturing resource, we also provide upgrade and refurbishment services to clients' existing equipment.

Clarke Chapman assembly hall.



Clarke Chapman machine shop.



Clarke Chapman assembly and test bay.

### Sub-contract machining

The Clarke Chapman machine shop facility is used by a large number of local and national companies across the entire industry spectrum, from nuclear, oil & gas and defence to marine, power generation and electrical engineering. The machine shop is a modern building offering excellent height and lifting capacity. The range of machinery, is extensive and many are CNC controlled. Subcontracting companies can also draw upon the many additional resources we offer within the group.

### Skills and resources

Clarke Chapman Manufacturing has the multidisciplinary workforce (mechanical, electrical, hydraulic, pneumatic) to provide all the skills and expertise required for structural assembly. When required, we can also call upon our sister companies within the Langley Holdings organisation to provide additional resources in design and contracting. Flexibility, resourcefulness and vast experience are just some of the reasons why we have proved to be a vital partner for many companies in a diverse range of industries.



5-axis CNC mill-turn machine.



Clarke Chapman Heller 5-axis machining centre.



Rope Drum.