



The
Newall
Group

The Newall profile

In 1900, Mr. John Walker Newall established a company to manufacture sheep shearing machinery. Faced with the problem of supplying interchangeable spare parts to overseas users of his equipment, Mr. Newall devised his unique system of limits and fits. This foresight established not only Newall's world-wide reputation but laid the foundation of today's universally accepted standards in precision engineering.

Newall soon entered the manufacture of gauges and, some 30 years later, embarked on the manufacture of precision machine tools. 1936 saw the introduction of the first Newall jig borer — a decisive step towards Newall's current position as the leading manufacturer in the United Kingdom and one of the world's largest producers of these machines.

Import supply problems during the 1940's were overcome by the development of a comprehensive range of optical instruments, rotary tables, lenses and optical systems. In the same period Newall expanded further in the manufacture of cylindrical grinding machines and increased their capacity by purchasing Keighley Grinders (Machine Tools) Ltd.

This policy of expansion has been sustained in the ensuing period by diversification into the specialised automotive machine tool field. Crankshaft and

camshaft grinders and a wider range of cylindrical grinders were introduced, new approaches to machine tool control investigated, and ancillary products and services introduced and improved.

Innovation and development is vigorous and continuing. The range of machine tools, and other products, is expanding all the time.

The Newall Group, which comprises eight factories and employs approximately a thousand people, has in addition to its principal products and services, companies and divisions dealing in foundry work, tooling, hydraulics, optical components, machine reprecisioning and updating and, most recently, electronics.

A far cry from the manufacture of sheep shearing machinery but Newall takes equal pride in its humble origins and the pre-eminent position it now holds in precision engineering.



Part of the administration and design engineering block at the Group's principal works at Peterborough.

The degree of manufacturing skill required for precision machine tool work is acquired over a period of years commencing with apprentice training. Courses available cover basic training through to the application of advanced numerical control machining techniques.



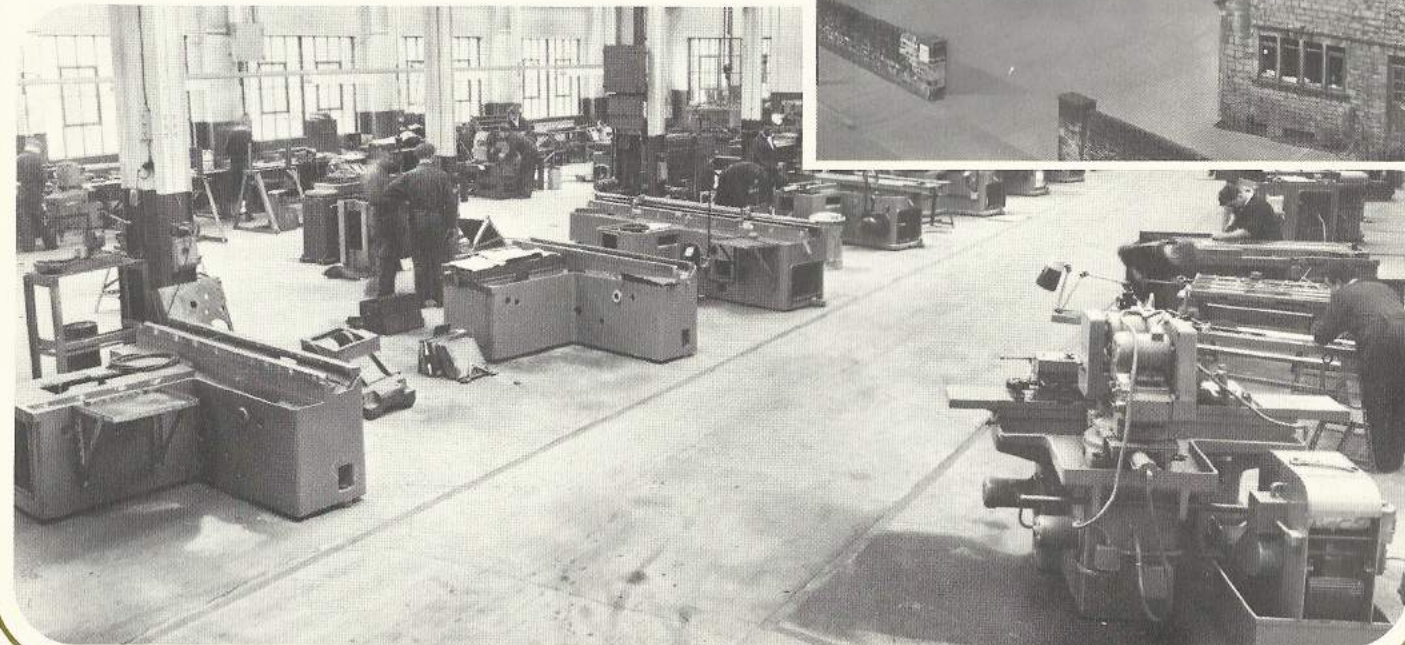
Sophisticated methods of quality control are employed at all stages of manufacture in all locations. Facilities include an officially approved British Calibration Laboratory service.

The specially air conditioned spindle assembly shop.



Jig borer assembly bays in the main factory at Peterborough.

Some of the cylindrical and universal grinders manufactured by Keighley Grinders (Machine Tools) Ltd. at their Yorkshire factory.

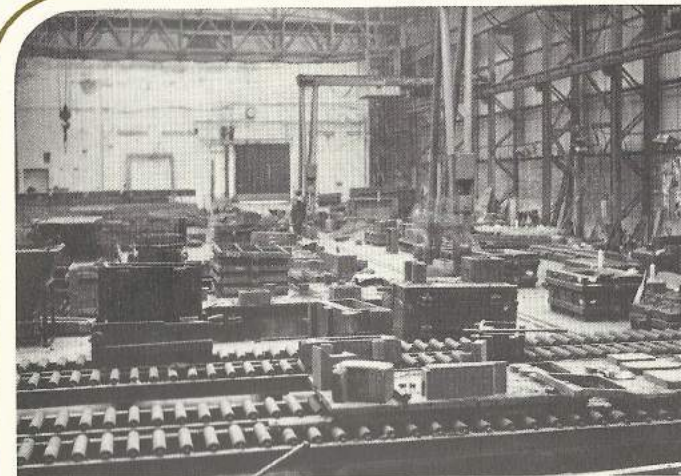


Equipment testing department at Newall Electronics, the latest addition to the Group.

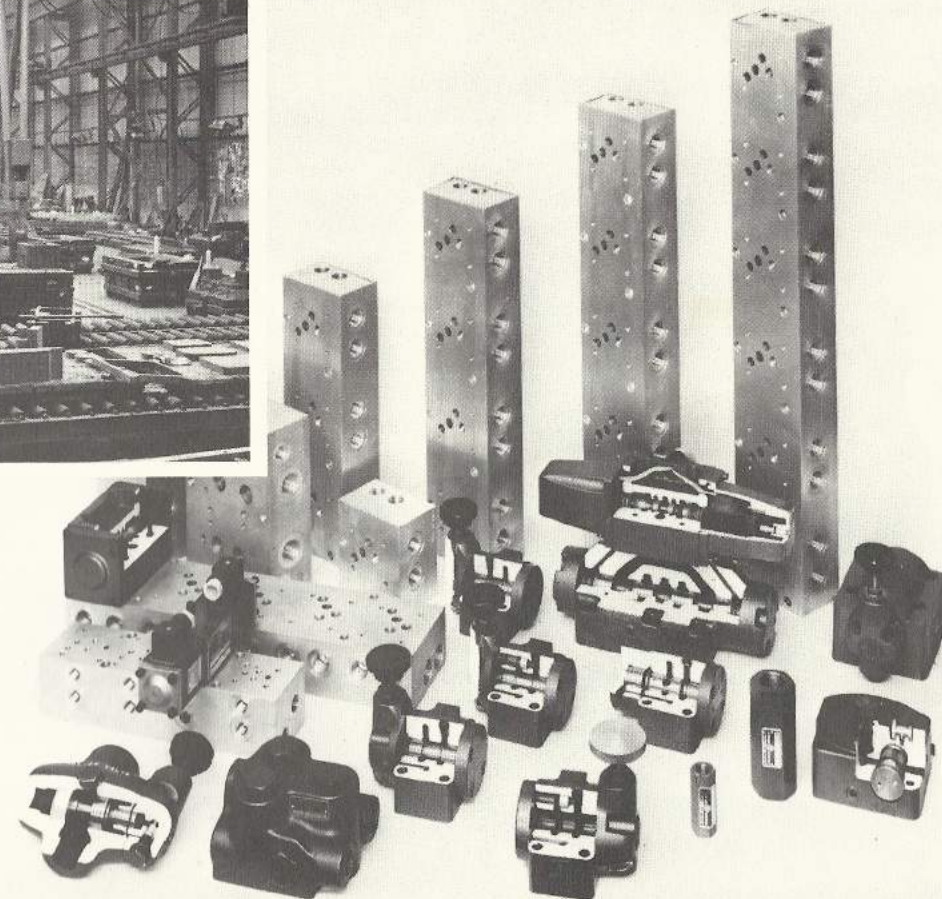
The assembly of several different types of machine tools after reprecisioning and updating by Renewall.



The Group's Tooling and Spares Division located at Fakenham, Norfolk.

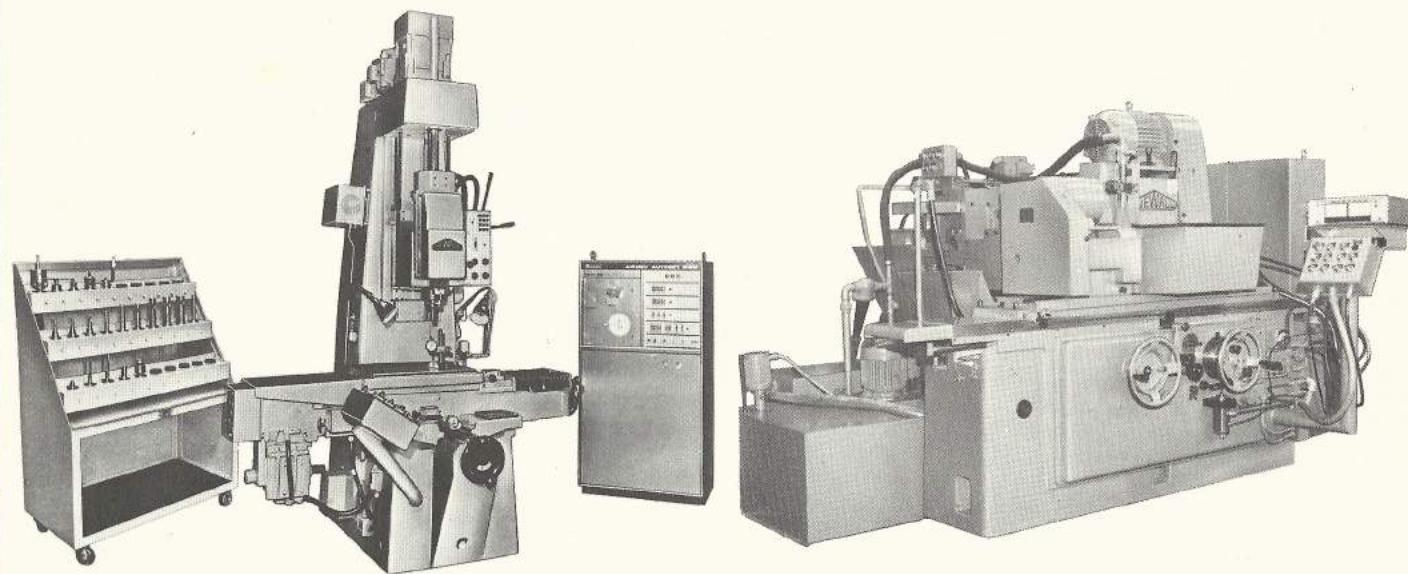


Part of the plant of
The Newall Precision Foundries
Ltd. at Bury, Lancashire.

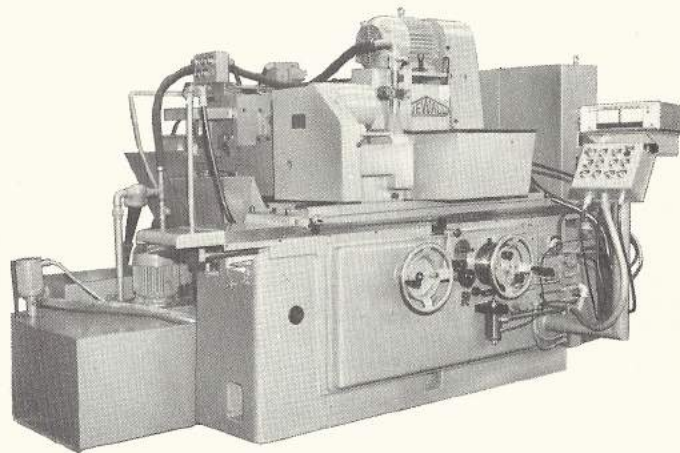


Some of the hydraulic
components manufactured
by M.T.H. Ltd.

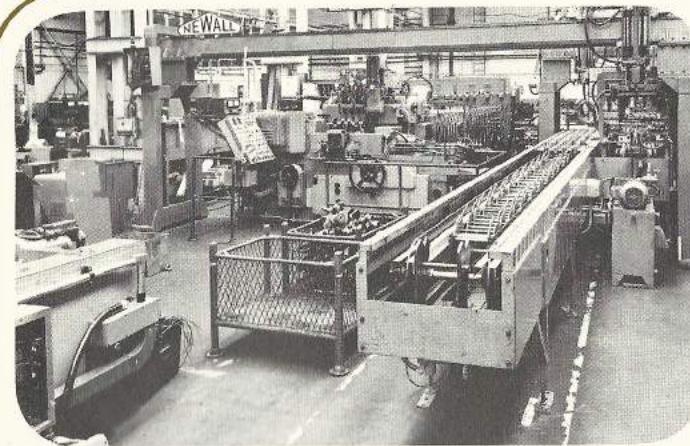
Some Newall Products and Services



Jig boring machines, conventional and numerically controlled.



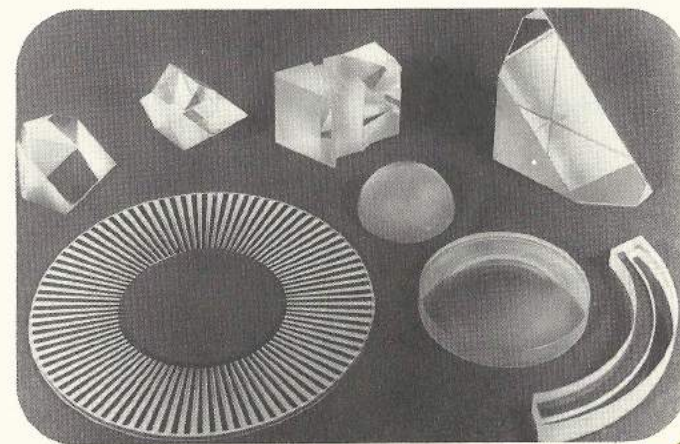
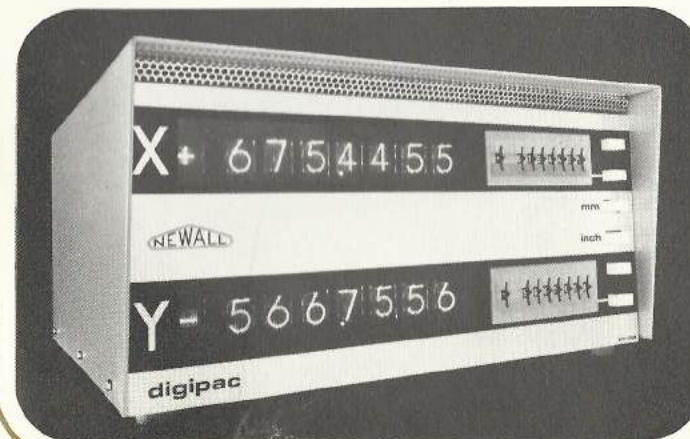
Cylindrical grinding machines — plain, angle approach and angle head.



Left — crankshaft pin and journal, camshaft and multi wheel grinding machines, mechanical handling and workflow systems.

Below left — high accuracy digital readout equipment, electronic systems for measuring and inspection equipment.

Below — optical elements — gratings, lenses, prisms, flats, graticules and vacuum coating.



More than half the total turnover of The Newall Group is exported. The Company's vigorous export marketing policy, which includes participation in many of the world's leading machine tool exhibitions, is put into operation through the network of agencies, distributors and licensees.

The international automotive industry has been particularly important in the success of the Newall export efforts.

The successful Leyland Cars "Mini", which has sold over three million units, had practically all its engine and gearbox components, which set a new standard of accuracy in precision grinding, manufactured on Newall machines.

Users of Newall machine tools and equipment include Alfa Romeo, Alfa Sud, British Leyland, B.M.W., Chrysler, Daimler Benz, Fiat (Argentina, Brazil and Italy), Ford (Germany, South Africa, Spain, U.K. and U.S.A.), Hyundai, I.T.C.I. (India), Jaguar, Mavilor, Opel, Perkins Engines (Argentina, Brazil and U.K.), Petters, Peugeot, Rolls Royce, Rover, Saab Scania, Shardlow, Simpsons, Skoda, Triumph Motors, Vauxhall and Volvo, together with many Comecon and Chinese factories.

Products are backed by a comprehensive machine installation service with an after sales service and maintenance team of specialist engineers. Coupled with the full spares service available from The Newall Tooling Division, this gives the customer a first class service to match his Newall machines.

The Newall Group

The Newall Machine Tool Company Limited.

The Newall Engineering Company Limited.

Renewall.

Newall Electronics.

Tooling and Spares Division.

Keighley Grinders (Machine Tools) Limited.

The Newall Precision Foundries Limited.

M.T.H. Limited (Hydraulics).

O.M.T. (Optics) Limited.

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Barcelona, Spain.

Rinewall Espanola, S.A.

Cestona, Spain.

Newall means the very best in machine tools and equipment.