

# ENGINEERING EXCELLENCE

Established in 1939 by Isaac Middleton, and still family-owned, Newburgh has continually invested in plant and facilities to maintain its position as the UK's premier contract manufacturing company.

Newburgh engineering components and assemblies are benchmarked against the best in the world and are distributed globally to customers in all major industrial sectors. With many customers we have long and highly successful track records of setting up dedicated manufacturing facilities based on contracts lasting up to ten years.

Newburgh operates from two world class sites located centrally in the UK. We have production facilities in Bradwell, Derbyshire and at our head office in Rotherham, South Yorkshire. Through our ongoing structured approach to investment in both capital equipment and people, we provide our customers with manufacturing facilities of exceptional quality.



## CONTRACT MANUFACTURE

Manufacture of larger high specification engineering component parts and assemblies for a global customer base. 70 plus years supporting major Nuclear, Oil & Gas, Defence, Power Generation, Aerospace, Food, and Rail customers.



## VERTICAL BORING

A number of manual and CNC Vertical Borers with capability to turn components from  $\text{Ø}1.0\text{m} \times 0.75\text{m}$  up to a maximum size of  $\text{Ø}3.7\text{m} \times 2.1\text{m}$ .



## SURFACE TREATMENT

An on site facility to shot blast, phosphate and paint in accordance with our customers specifications. A managed external subcontract supply for most other coating processes including - Xylan, Carbide coat and Anodising.



## ENGINEERING SUPPORT

A team of highly skilled Industrial Engineers and CNC Programmers plan, control and support all aspects of the contract manufacturing process. All our CNC machines are linked via a DNC network to a dedicated programming department running the latest CAD/CAM packages.



## CELLULAR MANUFACTURE

Customer dedicated production facilities providing a cost effective long term manufacturing solution. Customer benefits include - Improved delivery, reduced WIP, reduced lead times, improved cash flow, improved quality and many more.



## MILLING

A large CNC milling capability with a range of horizontal, vertical and 5 axis machines, milling to a maximum length of 22m long or maximum component footprint of 10m x 3m.



## DIMENSIONAL INSPECTION

Full range of metrology equipment, Faro Arm, MRP, MicTrack and Gagemaker systems combined with 4 off co-ordinate measuring machines with the physical capacity to measure 4m x 1.5m x 1m.



## ENVIRONMENTAL

We are fully aware of our potential to damage the environment and our commitment to minimising this impact is shown through our ISO 14001 accreditation.



## MANUFACTURING PARTNERSHIPS

We operate long term customer partnerships for the production of critical parts and assemblies. In many cases we operate as our customer's sole manufacturing source and we work closely with them to reduce production costs whilst improving quality and delivery.



## TURNING

A comprehensive CNC Turning capability with a range of machines produce to a maximum of  $\text{Ø}0.6\text{m} \times 9\text{m}$  long.



## NON-DESTRUCTIVE TESTING

A range of non destructive testing equipment and approvals including - MPI, Dye Pen, Ultrasonic, Hardness, King Brinell, Brinronic, Borescope and Pressure test to 25,000 PSI.



## HEALTH & SAFETY

The nature of our contracts and the equipment used on them dictates that we have a high degree of control around the Health and Safety risks that arise from our work activities.



## TOTAL SUPPLY & PROJECT MANAGEMENT

Total control and supply of all aspects of a project from the receipt of an initial purchase order through to final delivery of finished products. One purchase order to deliver all contract elements with sub contract operations provided by our network of approved vendors.



## FABRICATION & WELD

A flexible fabrication capability producing high quality components for the Oil & Gas, Nuclear, Defence, and Power Generation markets.



## ASSEMBLY

A flexible manufacturing facility with large assembly areas for the complete system integration of customers projects. Projects can be handled up to a maximum weight to 40 tonnes.



## INVESTORS IN PEOPLE

It took a number of years to change from a traditional engineering culture to one of cherishing our people. In return we have people that cherish their jobs, their colleagues and the company.



## HORIZONTAL BORING

A range of CNC Horizontal Borers with a maximum capacity of 2.5m x 2.4m x 2.2m. These are supported with a suite of contouring heads and associated tooling.



## WELD CLADDING

Fronius ETR Automated TIG cladding rig with and FPA 9000 controller capable of cladding a maximum envelope of 2m x 1m.



## QUALITY ASSURANCE

We are ISO 9001:2008 approved and robust quality systems are ingrained within Newburgh's business culture. The industries that we serve demand the highest standards and approvals which we consistently meet.



## CONTINUOUS IMPROVEMENT

As a business we are always looking at ways to reduce waste and improve utilisation and service. We drive through regular programs of 5s, lean manufacturing, kaizen, right first time and six sigma.