Leaders in the Design, Manufacture and Repair of Hydraulic Cylinders

cylinder.co.uk
We provide a highly specialised hydraulic cylinder design & manufacturing service.

Cylinder is a market leader in hydraulic cylinder design, manufacture and repair services. It is one of the largest companies of its type in the UK.

Established more than 20 years ago, Cylinder is based in a 30,000 ft² facility located on a two acre site in the heart of North East England.

From our purpose built premises we are ideally located to offer a service package tailored to customer specific design and manufacturing requirements.

Quality assurance is vitally important to our business. We are ISO 9001:2015 certified.

We provide cylinder design, manufacturing, refurbishment and repair expertise to our customers in the offshore oil and gas, construction, renewable, marine and recycling sectors.

We are dedicated to continuous improvement and have invested in our team and facilities to meet the demands of the industry.

Many of our machines involved in the manufacturing process have been specifically designed to provide a service capable of fabricating small to large scale cylinders.

SERVICES
CYLINDER DESIGN
SPECIALIST ENGINEERING
TESTING
HYDRAULIC REPAIR
REPLACEMENT
RAM REPAIR
HYDRAULIC JACKS
We supply the very best **cylinder solutions** to our customers.

**Whether starting with an idea, sketch or a detailed design, our experienced team will provide a design service tailored to fulfil our customer’s needs.**

We provide an integrated approach to hydraulic cylinder design making our designs both robust and cost effective for our customers.

**DESIGN & ENGINEERING**

Our engineers detail the requirements of the hydraulic cylinder, and create a 3D model which is used to perform stress testing on the design, determining suitability, prior to manufacture.

**MANUFACTURING**

We possess some of the largest machining capacity in the UK, which allows us to support our customers need for large scale cylinder equipment. Our machining capacity includes: horizontal and vertical boring, milling, CNC turning, slotting, shaping, cylindrical and surface grinding.

**PRODUCT TESTING**

We operate a specially designed high pressure testing rig. Designs are subjected to a range of operational scenarios to develop the optimum end design. This approach means final product testing focuses upon the final integrity of the parts and assembly, rather than the design.

**SECTORS**

- CRANE & MOBILE PLANT HIRE
- MINING & QUARRYING
- OFFSHORE OIL & GAS
- AUTOMOTIVE
- MANUFACTURE PORTS
- RENEWABLES
We believe in our highly skilled and experienced team.

Cylinder have capitalised on the region’s rich engineering heritage with many of the team having served apprenticeships within the mining and ship building industries prior to joining our workforce.

We are actively committed to skills development and cross training to support our customer experience.

MANUFACTURING
Our manufacturing team is a highly skilled workforce adept at working with precision machinery, to provide an end to end service to our customers.

DESIGN
We have recently invested in a recruitment and training exercise to promote our Design Team capabilities and as such have extended our comprehensive design experience to include 3D Assembly Modelling, Finite Element Analysis and Reverse Engineering.

The Cylinder workforce have a sound hydraulic engineering knowledge and acumen providing customers with additional reassurance and confidence in our ability to provide a first class service to their needs.
Our range of products & services:

- Cylinder Design
- Specialist Engineering
- Testing
- Hydraulic Repair
- Replacement
- Ram Repair
- Hydraulic Jacks