

CHALLENGER



Specialists in the design, manufacture, maintenance and installation of hydraulic systems

Bespoke Power Pack Range



**CFP Hydraulic Systems Ltd
Unit 24 Foxwood Road
Sheepbridge Industrial Estate
Chesterfield, Derbyshire
S41 9RF**

**Tel: 01246 450445 Fax: 01246 450033
Email: sales@cfphydraulics.co.uk**

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Specialists in the design, manufacture, maintenance and installation of hydraulic systems

Bespoke Projects.

With over 50 years experience in the design and build of hydraulic power units, CFP are able to create a unit that will suit your specific application perfectly. We specialise in developing hydraulic systems from enquiry through to final commissioning, using the most reliable components to give you a system that is built to last. All systems are fully tested and documented prior to delivery and issued with a certificate of incorporation to meet the requirements of the CE machinery directive.

CFP can design, build and certify a bespoke unit to your exact specifications that will operate as you need it to. We are able to take your projects on board from feasibility study to final commission.



From the smallest of packs right up to major construction projects like the moving of the Belle Tout Lighthouse at Beachy Head where we designed, built and supplied the complete hydraulic system to safely move the lighthouse inland, CFP can design and build a solution that will specifically meet your needs.



CFP have the comprehensive knowledge and experience to solve your hydraulic system problems quickly and effectively, offering you:

- Installation and commissioning of new hydraulic systems
- Refurbishment of existing hydraulic systems
- Efficient friendly service

No matter what your requirement or how big/small, we can offer you a bespoke solution designed to fulfil your needs completely.

CFP Hydraulic Packs - Designed To Last

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Bespoke Power Pack - Specifications



Pack Features Include:

- Single/ three phase electric motors, diesel or petrol internal combustion engines and air driven motors
- Pressures up to 700 Bar (10,000psi)
- Fixed or variable delivery piston, vane pumps or gear
- Most fluids catered for i.e. mineral, oil, water glycol, food grade oil etc
- All valve configurations and operating modes supplied
- CFP can meet most special requirements - please ask
- Good availability of spares and excellent backup

If you have an application for a Hydraulic Power pack and system (for example you are developing a new machine or even redeveloping an existing unit) CFP can help by designing a hydraulic power pack and hydraulic system to suit your requirements and delivered in a timescale to suit you. Our experience covers such industries as:

- Special purpose machinery manufacturers
- Building material manufacture
- University test equipment
- Foundries
- electricity powerline maintenance
- Gas and water pipe production and maintenance
- And many more...

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Bespoke Power Pack - Examples



Build and test of ten hydraulic power units; each operating two rams, for waste reclamation company. Included cabinet, pump, electric motor, res tank, filters, pressure regulation, control valves, internal piping, instrumentation and spillage trays.

Pack and cylinder sets, utilising special flameproof fluids with 316 stainless steel reservoirs. All valve cartridges were chrome 6 free, manufactured specifically for this system.

Pressure must be held for 3 days without dropping, whilst being able to operate through a rotation of 200 degrees.



Pack delivering 55LPM to 700 bar powered from an electric motor. Designed to run a min of 18hrs per day for use at a large chocolate factory in Moscow.



Twin pump power pack used to drive an engine block 24hours per day, 7 days per week for Jaguar Cars. Built for T.Q.C. Ltd, Notts.



700 bar air driven power pack for use underground with pendant mounted controls for ram directional control and motor run. Built for Hi Torque Ltd.

Petrol packs with

These will power ca for overh for Eve T



Ground rig to drive four heads installing o/head power lines for National Grid. Built on a road legal trailer with tool cabinet and four hose reels with 60m of twin hose on each.



Diesel driven power packs for Forker Plant. Required to deliver dual volumes to drive 'slip pumps'. Included access doors and canopy.

So give us a call today & find out how we could help you get the most out of your equipment.

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Visit: www.challenger-group.co.uk

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