James Walker

Elastomer Production Facilities

- *Compounding of over 300 grades*
- *Compression moulding to 2.2m diameter*
- *Vacuum moulding to 2m diameter*
- *Injection moulding to 500mm diameter*
- *Unlimited diameters by mould joining*

High Performance Sealing Technology

James Walker

Elastomer production facilities

James Walker's manufacturing plants for the production of high-precision elastomeric components are amongst the most advanced in the world.

In addition to moulding plants in the UK and USA and Australia, we have numerous other production facilities sited around the globe. Together, these enable us to provide industries at all levels with top quality engineered solutions to their fluid sealing problems and precision moulding requirements.

Our range of techniques and extensive plant give us total flexibility of manufacture. This enables us to select the correct production route for each of the vastly different types, sizes and quantities of elastomeric components our customers need.

In addition, with our Express Service, we can meet the most urgent demands of industry on a worldwide basis — to help bring equipment swiftly back on line.

Elastomer processing — over 300 grades.

In-house elastomeric production facilities include:

- Precision compounding of over 300 general and high performance elastomer grades under rigorous process control.
- Compression moulding up to 2.2m (87-inch) diameter in a single operation — with one of the biggest presses for precision moulding in Europe.
- Vacuum moulding up to 2m (79-inch) diameter in a single operation.
- Special mould-joining technique for producing elastomeric components to unlimited diameter.
- Injection moulding up to 500mm (20-inch) diameter.
- Transfer moulding.
- Extrusion processes, for continuous and batch production.
- Elastomer impregnation of fabrics and fibres for the production of specialised composite materials.
- CNC centre for precision machining of elastomers and engineering plastics.
- Rubber-to-metal bonding — with acid etch, phosphating and chemical cleaning of metal surfaces to achieve optimum bond strength.

Compression moulding to 2.2m diameter.

Extrusion process.

Vacuum moulding to 2m diameter.

Chemical treatment of metal surfaces for top quality rubber-to-metal bonding.

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