

## TECHNICAL INFORMATION



### Sealing Solutions industries include:

- Aerospace
- Chemical
- Food, Dairy and Brewing
- Marine
- Military
- Oil and Gas
- Power Generation
- Medical

### Products we can offer include:

- O rings
- Quad rings
- Shaft seals
- Valves
- Flange seals
- Pneumatic/hydraulic
- Vibration control
- Custom mouldings
- Bellows

## Precision Mouldings

FTL Technology offers specialist precision mouldings in a wide range of high performance elastomers, including organic and inorganic elastomers such as silicone, fluorosilicone and liquid silicone.

In addition, FTL Technology can offer rubber to metal composite solutions typically used in bump stops and vibration control.

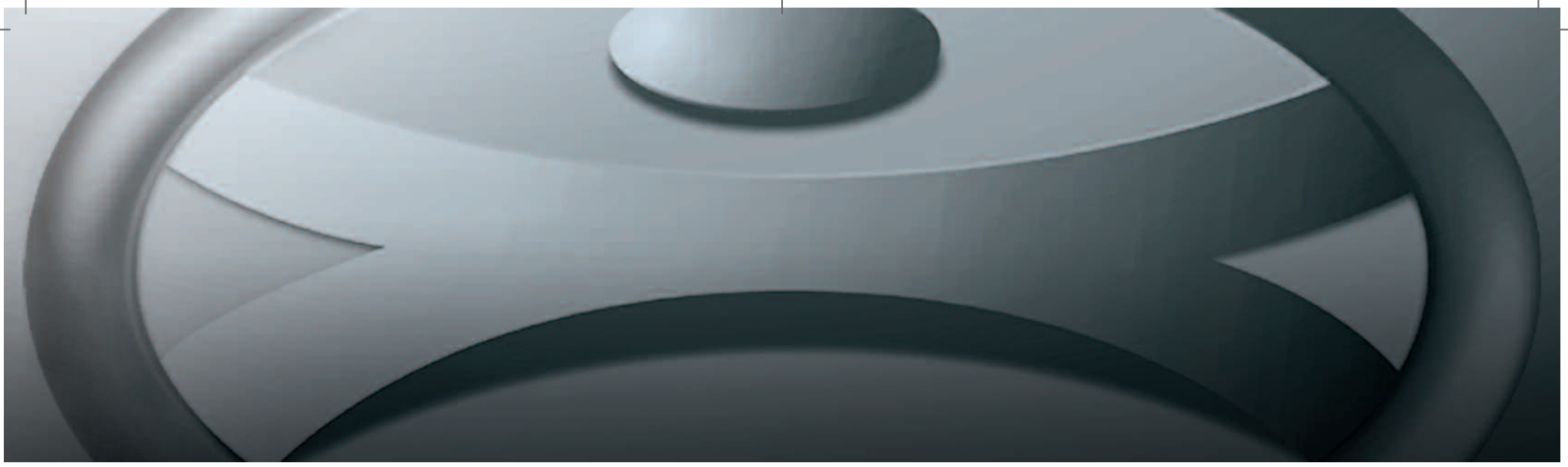
Competitive tooling and piece prices in conjunction with our moulding expertise, allow us to provide the most cost effective solutions without compromising performance.

Applications vary from standard and non-standard O rings operating in extreme temperatures and chemically aggressive environments, to bespoke custom-designed technical mouldings in high specification materials.

A comprehensive range of elastomers are available, including nitrile (NBR), hydrogenated nitrile (HNBR), carboxylated nitrile (XNBR), Viton (FKM), ethylene propylene (EPDM), silicone (MQ), fluorosilicone (FVMQ), neoprene (CR), natural rubber (NR), styrene butadiene rubber (SBR).

We manufacture bespoke parts and components to customer designs. Problem solving is at the centre of our culture, providing customers with optimal design solutions.





#### Typical Services include:

- Material recommendations, based upon chemical and mechanical constraints
- Housing size recommendations
- Custom component design

Using the latest elastomer materials and manufacturing techniques, we can produce composite parts, including metal, PTFE bonding and fabric reinforcements.

In developing custom parts we work closely with our customers to develop solutions that last longer, require less maintenance and deliver the lowest cost of ownership.

FTL Technology has the ability to accept electronic CAD drawings using the latest Autodesk Inventor software, (components are designed in 3D CAD) as well as using Finite Element Analysis modelling to explore scenario planning, ensuring the final component design is right first time.

FTL Technology is design certified to ISO 9001:2000, our team of designers interpret customer requirements and translate these into recommendations and custom proposals.

In conclusion, FTL Technology offers a comprehensive design and development service for seals, custom moulded elastomers and bonded components.



**FTL TECHNOLOGY**  
SEALING, BEARING AND ENGINEERED SOLUTIONS

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