



Can-Tech Elastomers Ltd.

Who Is Can-Tech?

We have a partnership with a Northern Ireland based rubber-moulding specialist; Can-Tech Elastomers Ltd. Can-Tech Elastomers has over 30 years experience in developing high performance rubber components for the oil and gas industry. All of Can-Tech's products are moulded in-house; this allows for full traceability of parts and close monitoring of the moulding process.

Can-Tech's key product lines include:

- Specialty Vee Packing
- O-Rings
- T-Seals
- Bonded Seals
- Custom Sealing Designs
- PCE Seals (Inner & Outer Seals)
- Swellable Products

Materials

Can-Tech Elastomers has worked closely with Europe's leading compounding specialist to develop the best compounds for severe service environments. Some of these compounds include hybrid and impregnated materials that augment extrusion resistance or swellable materials that help fill voids or cavities.

Can-Tech's material expertise extends to:

- Natural Rubber
- Ethylene-Propylene (EPDM)
- Neoprene
- Nitrile (NBR)
- Hydrogenated Nitrile(HNBR)
- Aflas® (FEPM)
- Viton™/Fluorocarbon (FKM)
- Perfluoroelastomer (FFKM)



Rubber Moulding



Rubber-to-Metal Bonding

Extensive experience with in-mould vulcanized rubber-to-metal bonding has provided Can-Tech the knowledge and ability to create quality parts and components that out perform customer's expectations. In-mould vulcanized rubber-to-metal bonds differ from other bonding techniques as a unique chemical reaction occurs between the materials. The chemical reaction creates a stronger, longer lasting bond that can better withstand the components' environment. Common rubber-to-metal bonded parts include Bonded Seals, Check Darts, Packer Elements, Ball Seats, Couplings, and Inflatable Elements.

Fabric Reinforcement

For engineered components requiring improved extrusion resistance, burst resistance, or directional mechanical stiffening, Can-Tech has the ability to reinforce materials with fibres and fabrics. If an application requires advanced performance, Can-Tech can incorporate Kevlar® or carbon fibres into the material. Common fabric reinforced products include Vee Packing, Packer Elements, Inflatable Clamps, Pump Packing, and Diaphragms.

Custom Moulding

Custom moulding is a key service provided by Can-Tech which possesses a wealth of experience of creating custom moulded components for a wide variety of industrial applications. Custom moulded components are developed in close cooperation with our customers. Maximum moulding capability measures:

5' 10" x 7' 2" x 1'3"

Research and Development

Can-Tech's engineering team provides assistance to our customers with the research and development of new products, materials and projects. This service involves prototype testing, which is essential for the development process. All research and development is carried out in a confidential and structured manner. Can-Tech's engineering can perform F.E.A of these elastomeric products during development which helps achieve the optimum solution for our customers.