

# Manufacturing

## Rubber Moulding



## Can-Tech Elastomers Ltd.

### Who Is Can-Tech?

Hi-Tech Seals has a partnership with a Northern Ireland based rubber-moulding specialist; Can-Tech Elastomers Ltd. Can-Tech Elastomers has over 25 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
- And More

### Materials

For over twenty-five years, Can-Tech Elastomers has worked closely with Europe's leading compound specialist to develop specialized sealing solutions. Can-Tech's materials has a zero percent failure rate in the field.

Can-Tech's material expertise extends to:

- Natural Rubber
- Ethylene-Propylene (EPDM)
- Neoprene
- Nitrile (NBR)
- Highly Saturated Nitrile (HNBR)
- Aflas™
- Viton® (FKM)
- Perfluoroelastomer (FFKM)





## *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 differs 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.

Can-Tech's vast knowledge in the oil and gas industry enables their engineers to create rubber-to-metal bonded components for a wide variety of applications. 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 fabrics. Introductory fabrics that can be reinforced include polyester, nylon, and aramides. If an application requires advanced performance, Can-Tech can incorporate Kevlar or Carbon fibres. 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. Can-Tech possesses a wealth of experience surrounding creating custom moulded components for a wide variety of industrial applications. Custom moulded components are manufactured based on dimensional information provided to Can-Tech. Maximum moulding capability measures:

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

## *Research and Development*

Can-Tech's engineering team provides assistance with the research and development of new products, materials and projects. This service can involves prototype testing, which can decrease the development process. All research and development is carried out in a confidential and structured manner.