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Rubber & Plastic

Solutions

High-Tech.

RUBBER MOULDING AND EXTRUSION

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Principle

Medanco is specialist in processing rubber. Injection moulding, Tranfer moulding and compression moulding. All rubber production techniques are in house and we are located in Veldhoven.

These compounds can be customized when needed. With our techniques we can produce 2d parts like tubes and profiles and 3d moulded parts. Rubber needs to be vulcanized to get its flexibility. This is done under heat and pressure and takes several minutes. Moulded parts are vulcanized in a mould extruded parts are vulcanized with steam in an auto clave.

Transfer moulding

Injection moulding

Compression moulding

Medanco

Advantages

- Rubber is flexible and can be stretched and compressed.
- Rubber can be applied in many different applications like
- sealing, transporting, clamping and isolating.
- Rubber can resist extreme temperatures and chemical environments.

• Rubber is a sustainable material due to its long life time. All rubber production techniques in house and located in Veldhoven.

Disadvantages

• We need a mould to create a moulded rubber part. • Product should be designed that it can be released out of the tool. • Product has small remaining flash on the parting line tool.



Fuman touch.

Medanco is the specialist partner for the design and manufacturing of rubber components. Quality, high precision and reliability are key elements. Medanco supports you at every stage of your project – from engineering to production and assembly to storage. With our in-house engineering and high-quality manufacturing processes, full-service production of rubber products are offered.

More information:

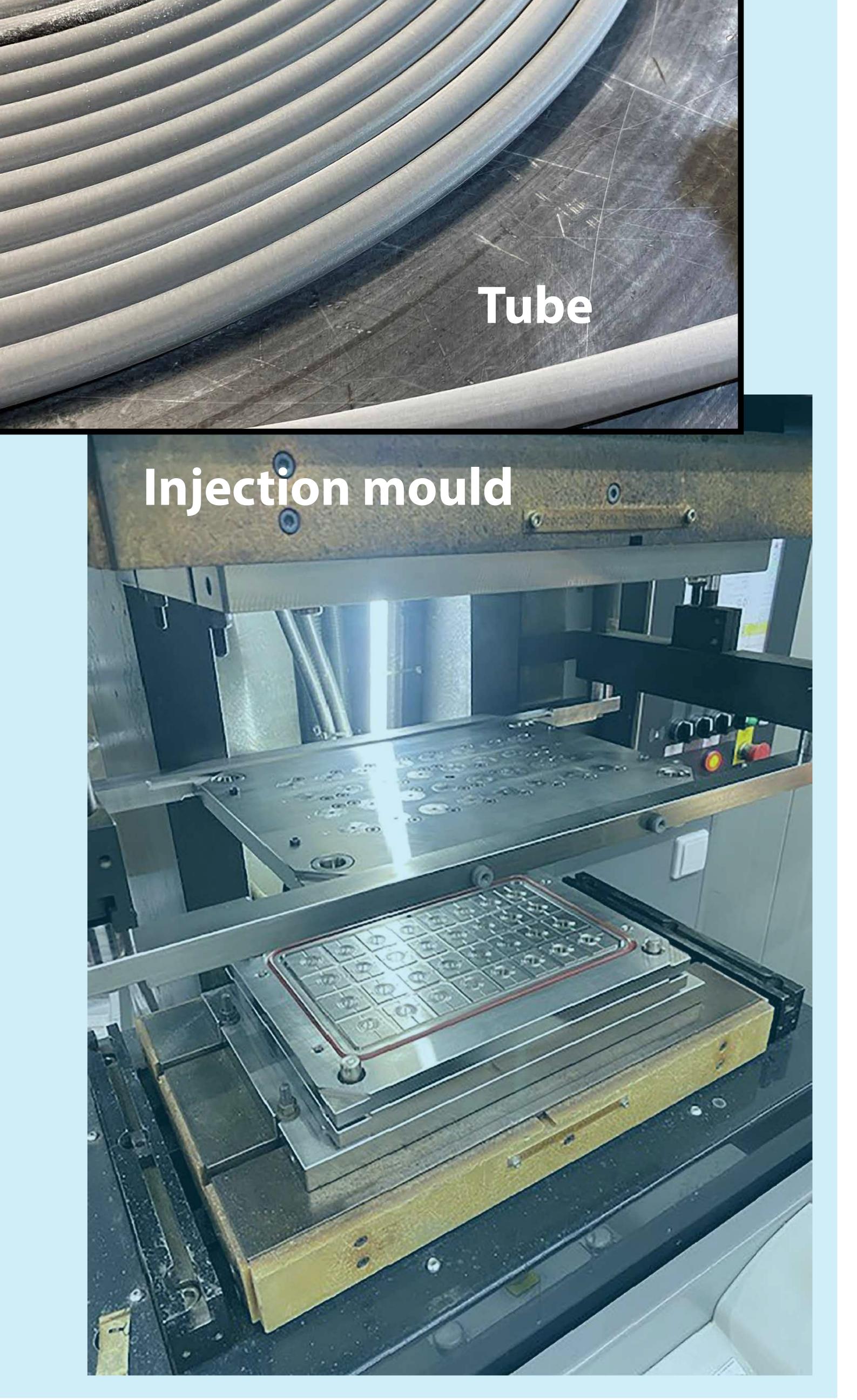
Production constraints and limits

• Design of the product "designed for moulding or extruding". • Max. dimension approx. 500 mm for moulding products. Parting line required to release product from tool and prevent air collapse. Tolerances of product according to rubber standards (ISO3302-1). • Parts cleaned according to Grade 2 or 4.

Cost

• A simple mould for moulding parts costs about €3.000,- and a complex rubber tool up €20.000,-. • For extruded parts a plate costs approx. €1.000,-. Product price depends on quantity, number of cavities in the tool and raw material costs.









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