



e-motion55

**MEDANCO**  
RUBBER &  
PLASTIC  
SOLUTIONS

**HIGH-TECH. HUMAN TOUCH.**

Medanco is the specialist partner for the design and manufacturing of rubber and plastic components. Our high-quality components, produced mainly in small and medium-sized batches, are used in technical and medical applications. Quality, high precision and reliability are key elements. Our attention is geared toward customer expectations, unique product specifications and the best possible production of smart products. Medanco supports you at every stage of your project – from engineering to production and assembly to storage.

## SERVICE

With our in-house engineering and high-quality manufacturing processes, full-service production of rubber and plastic products are offered. Tooling, processes and quality control are tailored to manufacturing with higher precision and better product safety. Our wide range of experience in various markets, grants us the opportunity to apply our knowledge in a wider perspective. In addition to medical devices, we provide high tech parts for industrial, consumer, food and pharma applications. For projects that require clean room handling, we offer a clean room environment class 7 for engineering, moulding and assembly. Our expertise and our highly rated suppliers of raw materials provide us with an excellent basis to tackle complicated and innovative assignments.



# IN-HOUSE ENGINEERING

# “HIGH-PRECISION RESULTS BY HIGH-QUALITY PRODUCTIONS METHODS”

## RUBBER MOULDING AND INJECTION MOULDING

Medanco has different techniques for moulding rubber products: compression moulding, transfer moulding and injection moulding. We can produce small parts (less than 1 gram) up to 2 kg in small and medium batch sizes. When required, rubber products can be moulded in very small tolerances; smaller than the most accurate standard ISO3302-1-M1. We work with all available rubber materials and advise you which would best suit your requirements.



## EXTRUSION

We are specialized in extrusion of TPE and TPU materials for smaller tubes and profiles. As required, we can bond a double-sided tape and cut the profile or tube in small pieces. This is a very efficient process for midsize and high volumes.



## PLASTIC INJECTION MOULDING

Medanco works with the latest production technologies to ensure the best quality products. We help our customer in design, engineering and production of the product to realise a reliable and efficient process. Medanco provides solutions for larger batches.



## SUPPLY CHAIN MANAGEMENT

Medanco can also provide assembly and logistics solutions such as storage and scheduled supply of small consignments from large production batches. We work closely together with renowned suppliers of raw materials in the Netherlands, in Europe and beyond. For every project, the best partner is selected, depending on your requirements and specifications. We transparently present all the options. This is how we ensure the best and most efficient solution, also for larger volumes.



## CLEAN ROOM

To serve our customers in the medical and food industries we have an ISO Class 7 clean room. This facility ensures a clean production environment without any sources of contamination. Our clean room equipment, tools and processes are all carefully designed to minimise product contamination and are maintained and cleaned in accordance with strict procedures. It is equipped for engineering, conventional and micro injection moulding, rubber moulding and rubber injection moulding, extrusion, assembly and logistics operations.

# QUALITY ASSURANCE



## PRODUCT INSPECTION

To ensure the required quality and precision, your products are inspected in our well-equipped metrology department, which features all the relevant testing and measuring equipment. Our equipment includes a sophisticated 3D optical measuring microscope to analyse complex geometries. This instrument compares the manufactured product with the technical drawings to identify any discrepancies.



## INTERNATIONAL STANDARD FOR A CLEAN AND SAFE PRODUCTION ENVIRONMENT AND RISK MANAGEMENT

ISO 13485 is a quality standard for manufacturers and suppliers of medical devices such as Medanco. This standard defines the requirements for the safe manufacturing of these products. Its scope ranges from design and development and production through to the assembly and storage of components, products and tooling. By gaining and maintaining this certification, Medanco demonstrates the capability to introduce medical devices onto the market safely, including strict process monitoring; rigorous and consistent checks throughout the whole process.



# ENGINEERING

## CO-OPERATION

By working with Medanco you enter into a partnership for technological development. You will experience flexibility, decisiveness and commitment. Clear communications ensure a successful translation of your requirements into a tangible product.

## DEVELOPMENT

We can advise you right from the start of your project. The project engineer will study your specifications and offer advice regarding the potential shape and appearance of the end product. Our R&D specialists will provide you with clear manufacturing recommendations, based on our expertise in materials and technology and our extensive compounds library of recipes for many applications.

## SINGLE POINT OF CONTACT

Following a vigilant analysis of the manufacturing options, available a comprehensive proposal (product image, manufacturing plan and terms & conditions) will be presented. The central point of contact is the engineer appointed to your company, ensuring simple, quick and effective communication.

## TECHNICAL FILES

The required documentation will be provided to enable application for the CE mark, as well as advice and support during this process, as our engineers are fully familiar with the procedures.



## ASSEMBLY

We are dedicated to serve your complete assignment, including fitting and assembly and we specialise in complex high-end products based on components made of plastic, metal, and rubber.

## TOOLING

The design and construction of the moulds is the most critical and costly stage of the engineering process. Your close cooperation is evident during this process. Test products will be manufactured using a prototype to ensure that the production mould results in the desired finished products. Our tool makers are located in both Europe and China. When the production run has been completed, the tooling is safely stored at Medanco.

## HIGH-TECH. HUMAN TOUCH.

- Reliable mould makers and reputable suppliers of raw materials <
- High-precision results by high-quality productions methods <
- Involvement from our very experienced team with great know-how and interest <
- Together we work as partners, aiming for flexibility and the highest quality <



## HISTORY

*Medanco BV's current activities are the result of a management buyout in 2009. Prior to that we operated in this area as a specialised division of Philips Eindhoven since the mid-1950s. Based on this solid background, a broad, technically-oriented range of customers has been acquired. Therefore, our employees form a valuable source of knowledge and expertise, ensuring our development as specialist designers and engineers of products for medical applications.*



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De Run 5213 5504 DC Veldhoven The Netherlands | Phone +31 (0)40 230 68 20 | [info@medanco.nl](mailto:info@medanco.nl) [www.medanco.nl](http://www.medanco.nl)