



Dr. Manfred Steinhäußer, Chief Physician of Central Anaesthesia and Intensive Care at the Clinical Centre HochFranken, and Member of the Medical Advisory Board at RAUMEDIC For us at RAUMEDIC, healthcare takes top priority in our thinking and actions.

Healthcare is our motivation to make good things even better and to rethink conventional methods on the basis of our experience and skills.

With dedication and in full awareness of the importance and impact of our innovations, we work every day in the service of health.



The reliability of our statements and our actions is the basis for a trustful and long-term cooperation with our customers."

Mission

In close cooperation with our customers and users in clinics and practices, we develop innovative diagnostic and acute therapeutic systems. In doing so, we make a significant contribution to preserving high quality of life and to restoring health to those who are suffering from illness.

### RAUMEDIC now and in the future

### expert – specialized – reliable

RAUMEDIC is an expert developer and manufacturer of polymer systems and components. As a polymer solutions provider specializing in the medical and pharmaceutical industry, we are a reliable and valued partner around the world.

### Medical Engineering

Infusion Transfusion Nutrition Anaesthetic equipment Dental Dialysis, Apheresis Ophthalmology ECC Wound treatment Angiography Laboratory, Analytics, Diagnostics Gas supply Urology Arthroscopy and many more ...

RAUMEDIC – Partner for Industry and Hospital Care

# Customers

RAUMEDIC combines decades of experience in medical engineering with the efficiency and drive of a modern company.

We provide our clients with polymer solutions ranging from individual components to complete sterile medical devices and pharmaceutical packaging. These can be used in many fields of application within the medical and pharmaceutical industry.

In addition, we develop, manufacture and market innovative diagnostic systems to measure various physiological parameters in the human body. Our customers represent the entire spectrum of medicine and pharmaceutics.

#### Pharmaceutical Industry

- Drug application
- Iniection
- Mixina
- Dosing
- Inhalatio
- Pharmaceutical packaging
- Fluid managemer

### Hospital Care

Multi-modal neuromonitoring Intracranial pressure measurement Oxygen partial pressure measurement Temperature measurement Compartment pressure measurement Telemetric pressure measurement Since the REHAU company was founded in 1948, we have been constantly working on new market-oriented and customerspecific polymer solutions.

# Sustainability

New material developments and new technologies form the basis from the outset for safe medical devices. Our experience has taught us that it is essential to provide satisfaction for customers and patients alike through sustainable growth and uncompromising focus on quality. Since 2004, RAUMEDIC has been an independent company within the family-run REHAU Group, an internationally operating polymer specialist. Also in future, we are looking forward to contributing each day to the eventual recovery of patients!



First microchip catheter to

measure pressure, temperature

CE-certified

drug delivery system

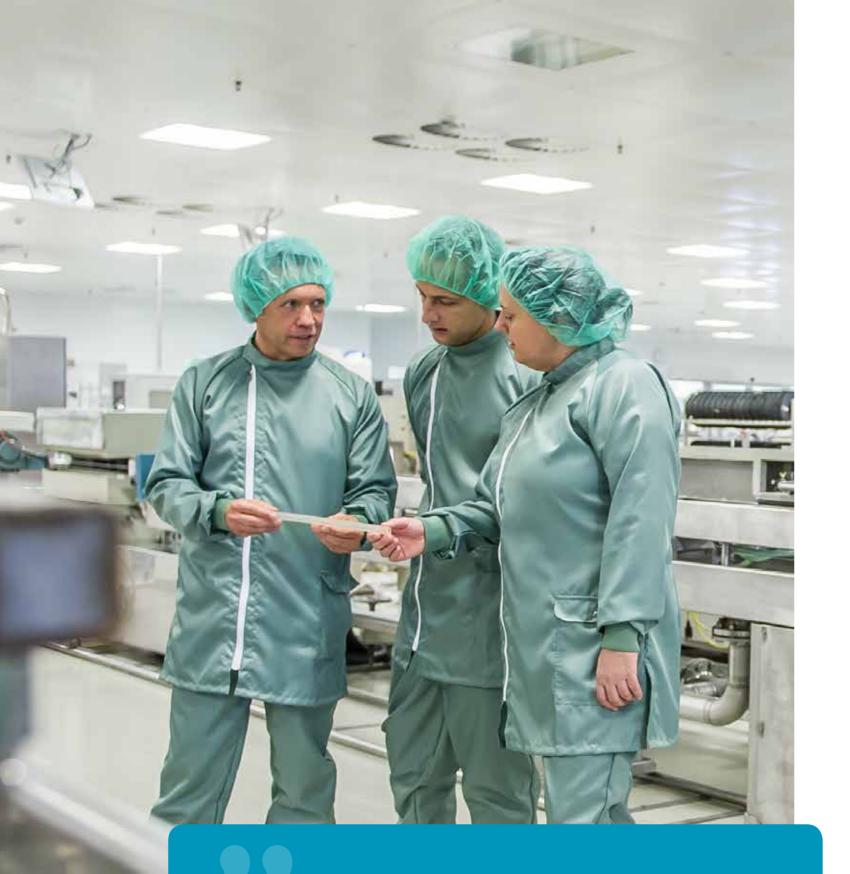
Introduction of polyurethane for the first artificial heart in catheter technology polymers and contact media are with RAUMEDIC tubing identified. Launch of RAUSORB 4-layer Founding of the RAUMEDIC AG Founding of the Development of the First delivery Entry into 2-component-Start of production in RAUMEDIC to the USA first noDOP<sup>®</sup> receptors injection molding the new company headtoday REHAU AG + Co quarters in Helmbrechts

First automation in the field of injection molding

### The separation of RAUMEDIC signified a key strategic and entrepreneurial change. Still today, it is the basis for industry focus, innovation and accelerated growth."

Jobst Wagner, President of the Supervisory Board of the REHAU Group





Our strength lies in our wide variety of technologies and services. Our partners benefit from the know-how we provide."

Jürgen Küspert, Head of Production

# Manufacturing expertise

Everything from a single source:

### Extrusion

- $\rightarrow$  Thermoplastic and silicone extrusion
- $\rightarrow$  Micro tubing
- $\rightarrow$  Multilayer tubing
- $\rightarrow$  Multilumen tubing
- $\rightarrow$  Lay flat tubing
- $\rightarrow$  Thin walled tubing
- $\rightarrow$  X-ray tubing
- $\rightarrow$  High pressure tubing
- $\rightarrow$  Polymer and wire coextrusion

## Molding

- silicone injection molding
- $\rightarrow$  Prototyping  $\rightarrow$  Precision injection
- molding
- → Multi component
  - injection molding
- $\rightarrow$  Insert- and overmolding  $\rightarrow$  100 % integrated
- camera controls

### Extrusion – Injection molding – Assembly – our wide spectrum is to your advantage



From the initial idea to serial production, we stand alongside our customers. With about 70 years of development and manufacturing expertise in the areas of extrusion, molding and assembly, we are ideally equipped to transform our clients' ideas into well-engineered product solutions.

# $\rightarrow$ Thermoplastic and $\rightarrow$ Micro injection molding

### Assembly

Secondary operations

- → Cutting
- $\rightarrow$  Drilling
- → Printing
- $\rightarrow$  Tip forming and flaring
- $\rightarrow$  Integration of electronic components

Sub- and complete assembly

- $\rightarrow$  Manual, semi and fully automated
- → 100 % integrated camera controls

Packaging and sterilization

The experience accumulated from countless successful projects is the foundation for our healthy growth and guarantee for continuous high quality.

# Experience

Experience is the foundation on which our company has been steadily growing. Passed on from generation to generation and constantly extended, it is the essential substance for new projects and upcoming challenges.

Whether in research projects, product development or the optimization of production processes, it is our experience of about 70 years that allows us to break new ground efficiently and with target orientation.



When it comes to the development and production of medical engineering products, knowledge transfer within the team is a key success factor."

Martin Schenkel, Director Operations with REHAU/RAUMEDIC since 1981



# Material Competence

Our products can save lives. We are fully aware of this responsibility in each and every one of our production steps."

Dr. Katharina Neumann, Head of Business Team Chemistry / Application Technology PVC

You know your application – we know the suitable material.

Materials research and development have been among our core capabilities from the beginning. By working closely with leading research facilities, we are constantly expanding our material-specific expertise. Our chemists and application technicians are known for their in-depth knowledge in the field of thermoplastics and silicone.

Thanks to this knowledge, we select the appropriate material for your product, adjust interactions with other contact media and take them into consideration during the product and process development.

When it comes to quality, there are no compromises.

# Quality

Our products are real lifesavers after all! Therefore it goes without saying that these products pass through a variety of quality controls, both during and after manufacture, before they are used on patients.

In Germany, but also at our facility in the United States, our products are manufactured according to GMP standards and "Made in Germany" quality principles. With full conviction we stand 100 % for the quality of each of our products!

- → Certified QM system according to ISO 13485
- $\rightarrow$  Certified according to ISO 15378 (Primary packaging materials for medical products)
- $\rightarrow$  Clean room production according to ISO 14644, Class 7 (=10,000)
- → Manufacture according to GMP standards
- → CE approval for RAUMEDIC medical devices



### It is our goal is to achieve continuous improvement in our processes with regard to quality, cost-efficiency and ecology."

Dr. Winfried Bernhard, Head of Quality Management



Carlin



The RAUMEDIC telemetric system is a product innovation that can make a decisive improvement in hydrocephalus patients' quality of life."

Ingo Bartels, Head of Business Team Clinic

## Innovation

Furthermore, we have developed the world's first telemetric system, which was recognized with the MEDICA award and allows intracranial pressure measurement (ICP) on mobile patients. As a result, we help people with hydrocephalus syndrome significantly improve their quality of life.

The knowledge that we have gained by integrating electronic components such as electrodes, microchips and memory elements, is something that we also apply to customer-specific developments.

### Creating something new is the driving force behind our innovations.

We apply the same passion to our work on finished product solutions as we do to achieving technical feasibility on a daily basis in the areas of extrusion, injection molding and assembly. In clinics around the world these products contribute to restoring the health of people affected by disease.

For example, we are the first and only company to combine the three measuring functions for pressure, temperature and oxygen in a single neurosurgical catheter.

A promise is only as good as the person who makes it.

# Reliability

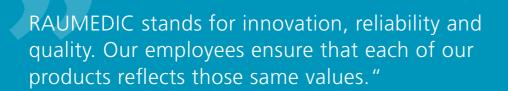
Reliability is our way of working responsibly. Therefore you can always trust in the longstanding high quality of the materials we use in validated manufacturing processes. Thanks to our high degree of flexibility and responsiveness, we can successfully carry out projects in a targetoriented and conscientious way jointly with you.

As an integral part of the global, family-run REHAU group, we are your competent partner you can rely on.



Reliability creates trust – that is our understanding of long-term collaboration and customer-focused project management."







# People

Based on the value-oriented corporate culture of a family-run company, we offer our employees the best possible opportunities for innovative work, as - despite all of the technology - it is still the people who make the difference.

### Behind each individual RAUMEDIC product there are people who are committed to exceptional performance.

RAUMEDIC's know-how is built up by the sum of all of its experienced employees. That is why we attach great importance on promoting and continuously developing their talents and skills.

Our international character has its roots in Bavaria.

The heart of RAUMEDIC is located in Europe's geographical center. Our roots lie in Helmbrechts, Germany, in the Bavarian region of Upper Franconia, and extend all the way to Mills River, North Carolina, where our second production facility is situated. The staff at both our locations employ their expertise to develop and manufacture products for worldwide usage – always keeping in mind sustainability and healthy growth which are particular important to us. Our global sales network with regional branches guarantees a fast contact to competent experts locally.

Proximity



Contact us, we look forward to building a professional partnership with you."

#### Claude Zingg,

Area Sales Manager Western and Southern Europe



# Sales Offices

#### Asia/Australia – RAUMEDIC PTE LTD.

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#### North America – RAUMEDIC INC.

(USA, Canada, Mexico, Central America)

235 Broadpoint Drive Mills River, NC 28759 USA Phone: +1 828 684 8870

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#### Western Europe – RAUMEDIC SA

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