

# Medical Devices & OEM Services

MEDICAL DEVICES & OEM SERVICES





## **Welcome,**

We are very pleased to be able to invite you to get to know the Biegler company. In the following pages we would like to introduce you to the company, our philosophy and our range of products and services.

Biegler Medizinelektronik now has to its credit more than 35 years of research, development and production in the service of medicine. A period of time in which rapid scientific and technological progress has led to profound changes on all levels of human life. In line with the objective of our company - to provide innovative solutions to problems in the medical field - we have been committed from the very beginning not only to be in step with current developments, but also always to be one idea ahead of the times.

This requires not just the know-how of our outstanding employees and keeping up-to-date with the latest advances in technical and medical knowledge. It also requires a certain far-sightedness, an openness to new ways of thinking, accurate judgement and the ability to act in an appropriate manner. Based on this strategy we have been developing and producing medical products which meet the requirements of the market for over 35 years.

On doing so we strive never to lose sight of the human element: the individual person. We have made this our personal duty, as reflected in our highly qualified staff, now in the second generation.

**Ingeborg Biegler**  
Managing Director

**Werner Biegler**  
Managing Director



**Always one step ahead of the times.**

# The future is shaped with ideas.

## **Close to the market**

We maintain constant and close contact to the market. For example, we call on many years of personal contact with medical research faculties in university hospitals and institutes. This relationship makes a critical contribution to the generation and verification of product ideas.

We serve our customers by offering them not only high quality products and services but comprehensive and personal support as well. Our customers value the reliability and high level of commitment that comes with an owner-run company. In this way we co-operate on a long-term basis with our partners.

## **Implementation of ideas with quality assurance**

The standard we set for the quality of our products is the total satisfaction of our customers, whereby the main principle we work to is continual improvement in all respects. Our quality management system in accordance with EN ISO 9001 / EN 46001 was introduced in 1994 and developed further in 2003 in the quality management system in accordance with EN ISO 13485:2003. It covers all processes from development through to after-sales service and provides the guarantee for consistently high quality.

A large sense of responsibility and attention to quality, along with qualified and motivated professional staff are what enable us to achieve a high level of quality in our daily work. Our proximity to the market secures through market-driven innovation the quality of our future products.

## **Internationality as a matter of course**

With the continuous expansion of business we have become increasingly international over the years. Today we export over 80% of our products - to 70 different countries around the world. The focus of our activities is in Europe, the Near and Middle East, Asia, Australia and North America.



» You have an idea for a medical product and wish to have it developed and/or produced externally?  
And you want to do this with one reliable partner?  
Then we'll make an ideal team, since BIEGLER Medizinelektronik has decades of experience in specialising in contract development and production. «

## INTEGRATED PROCESSES



### Development and production

We develop and we produce. Which means we offer a complete range of services from a single source - from the first stage in design to the finished medical product. This results in synergies which permit the fastest possible time-to-market.

### Integration of diverse technologies

When it comes to production we are flexible and place our faith in diversity and the integration of different technologies: Electronic components, machining and processing of metal and plastic, and assembly. The combination of these areas of competence provides the guarantee that your medical or laboratory product will be manufactured cost-effectively.

### From electronic devices to sterile disposable products

With our comprehensive OEM services we offer outsourcing capabilities for a complete product - be it a complex electronic device or a sterile disposable product made of plastic - all from a single source.

### Design award for TISSOMAT and Blood Warmers

Our products also set standards when it comes to design. This is illustrated by national awards for design given to TISSOMAT (1988 for Immuno, now Baxter) and Bloodwarmer BW 385 (1994).

### Innovation award for the P-STIM micro-device

BIEGLER Medizinelektronik was honored with second place in the Austrian National Awards for Innovation 2002 for its P-STIM; and in Lower Austria it came first. These awards are in recognition of the company's successful development of a device for pain therapy which features a low invasiveness and the miniaturization of the device to just 7 grams.

### Customer satisfaction

Of greater importance than these awards, however, is a high level of customer satisfaction. The priority given to customer satisfaction is what has enabled us to maintain lasting relationships over many years with customers like Baxter and Siemens.

## AWARD-WINNING RESULTS



# BIEGLER OEM Services



## BRINGING IDEAS TO LIFE

### **🔬 Research & Development**

Together with the customer from the start: Research and development is one of the core competences at BIEGLER Medizinelektronik. Here we can rely on our highly qualified and experienced developers to cover the entire spectrum, from initial concept through to implementation in serial production. We place great value on combining the knowledge of our customers with our own expertise as early as possible, to enable the speediest possible realization of projects.



### **📄 Product certification**

We offer not just the technical but all the regulatory prerequisites for successful partnership with OEMs. BIEGLER Medizinelektronik has been EN ISO 9001 and EN 46001-certified since 1994, and became EN ISO 13485:2003-certified in 2003. We can provide you with the documentation required for receiving the CE Mark. If required, we can also undertake the entire CE Mark certification process.



### **🏭 Production in metal and plastic**

At its own premises BIEGLER Medizinelektronik can complete all mechanical production stages, from prototype production (design models) through to series production. Metal working is on state-of-the-art CNC lathes and milling machines and the company can also call on in-house sheet metal working facilities (e.g. hydraulic presses, folding equipment). Our tooling production facility enables us to manufacture the equipment required for automation ourselves.

In addition, we also have facilities for plastic injection molding and our own mold shop. In a controlled zone we also process all standard thermoplastics on machines with clamping forces between 25 and 200 tons.



### **🔧 Electronics production and device assembly**

One focus here is the production of SMDs and conventional prints: Components are procured, inserted with the aid of lasers, soldered, given intermediate tests and pre-adjusted. In addition, we also assemble cables and devices. High priority is accorded to the safety-related final test and the outgoing goods inspection.



### **🧼 Assembly and packaging in the cleanroom**

In our Category 100.000 cleanroom we assemble and package disposable products made of plastic. As a system partner we also offer sterilization of the products with steam, EtO or gamma-irradiation, for which we can call on the services of tried-and-trusted partners.

# BIEGLER Medical Devices

## BLOOD AND INFUSION WARMING



### **BW 685 Blood and infusion warmer**

The BW 685 is a microprocessor-controlled device for preventing intra- and postoperative hypothermia. The device permits high flow rates even where several transfusions/infusions are involved simultaneously, plus user-definable temperature selection in increments of 0,5°C between 37°C and 41°C. At a glance:

- > Quick to set up
- > Less space thanks to the integrated handle
- > Rail- and pole-mounting possible
- > Temperature adjustment via a service interface

### **BW 685 S Blood and infusion warmer**

The warmer in the model BW 685 S is additionally equipped with an integrated connector for the optionally available TubeFlow accessory. TubeFlow is an actively heated, reusable silicone profile with control unit for temperature optimization between warmer and patient at low flow rates.

### **protherm II – Blood and infusion warmer**

The protherm II is a multipurpose device for the warming of normal and massive transfusions or for liquids without risk of contamination. Independently controlled heating zones provide the guarantee for effective and gentle warming.

### **ESH 04 – Emergency warmer**

The Biegler ESH 04 emergency warmer has been specifically designed for mobile use. It can keep two pre-warmed 500 ccm infusion bottles at a control temperature of 37°C at the place of use for up to 90 minutes. The device is suitable for continuous operation when mains-connected, and it can also pre-warm infusion bottles in this mode.

### **autopress – Automatic pressure infusor**

The autopress is another component in our range of warming equipment and can be used either directly with our blood and infusion warmers or as a stand-alone solution wherever fluids have to be dispensed under constant pressure.

» Are you looking for innovative, high quality medical products to sell successfully in your market? Then we are ideally suited for each other, since our expertise is in the development and manufacture of ready-for-sale medical products. We leave distribution to end customers in over 70 different countries to distribution partners. «

## TERAPIA RESPIRATÓRIA



### Respifit S

## RESPIFIT S

The RESPIFIT S is a personal exerciser for increasing the strength and stamina of the inspiratory respiratory muscles. Numerous clinical studies have confirmed that the respiratory muscles can be effectively trained with the use of a personal program of exercise involving strength and stamina exercises. For patients this can mean, among other things, increased capacity and therefore an improved quality of life. COPD patients and patients with neuromuscular diseases, in particular, can greatly benefit from respiratory exercises.

The RESPIFIT S offers programs for both strength and stamina exercises which can also be adjusted to the personal condition and requirements of the patient. A graphic display provides immediate feedback on effectiveness for the patient. All the settings and exercise data are stored on a personal card so that the exercise program can be perfectly monitored. Absolute hygiene is guaranteed by the use of a replaceable patient module, and being of an easy-to-handle size the device permits exercises to be undertaken not only in the hospital but in the medical practice or at home.

## IRIS MAGNETON

The earth's magnetic field provides a certain „safety function“ for life on earth. In medicine, magnetic fields are used for diagnosis and therapy systems.

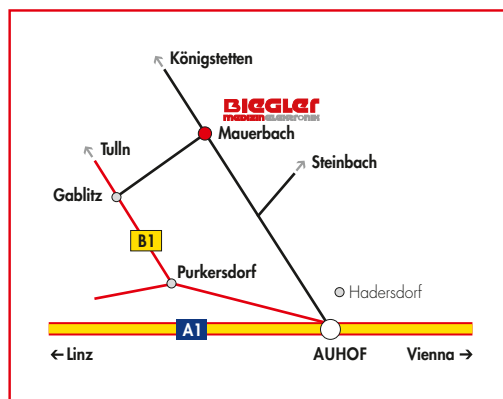
The Iris Magneton is of modular design with an advanced system architecture and is therefore ideally suitable for diverse applications involving magnetic field therapy. Programs are stored using a chip card. The Iris Magneton offers outstanding performance parameters and has a large display and clear menu navigation for convenient operation.

## TERAPIA DE CAMPO MAGNÉTICO



### IRIS MAGNETON





## Medical Devices and OEM Services

**BIEGLER GmbH**  
 Allhangstrasse 18a  
 3001 Mauerbach (Vienna)  
 Austria

T +43 - 1 979 21 05  
 F +43 - 1 979 21 05 16  
 office@biegler.com  
 www.biegler.com

**BIEGLER**  
 MEDIZIN ELEKTRONIK



Printed according to criteria documents of the austrian Eco-Label low-polluted printed products. gugler cross media, melk, austria; UWZ 609