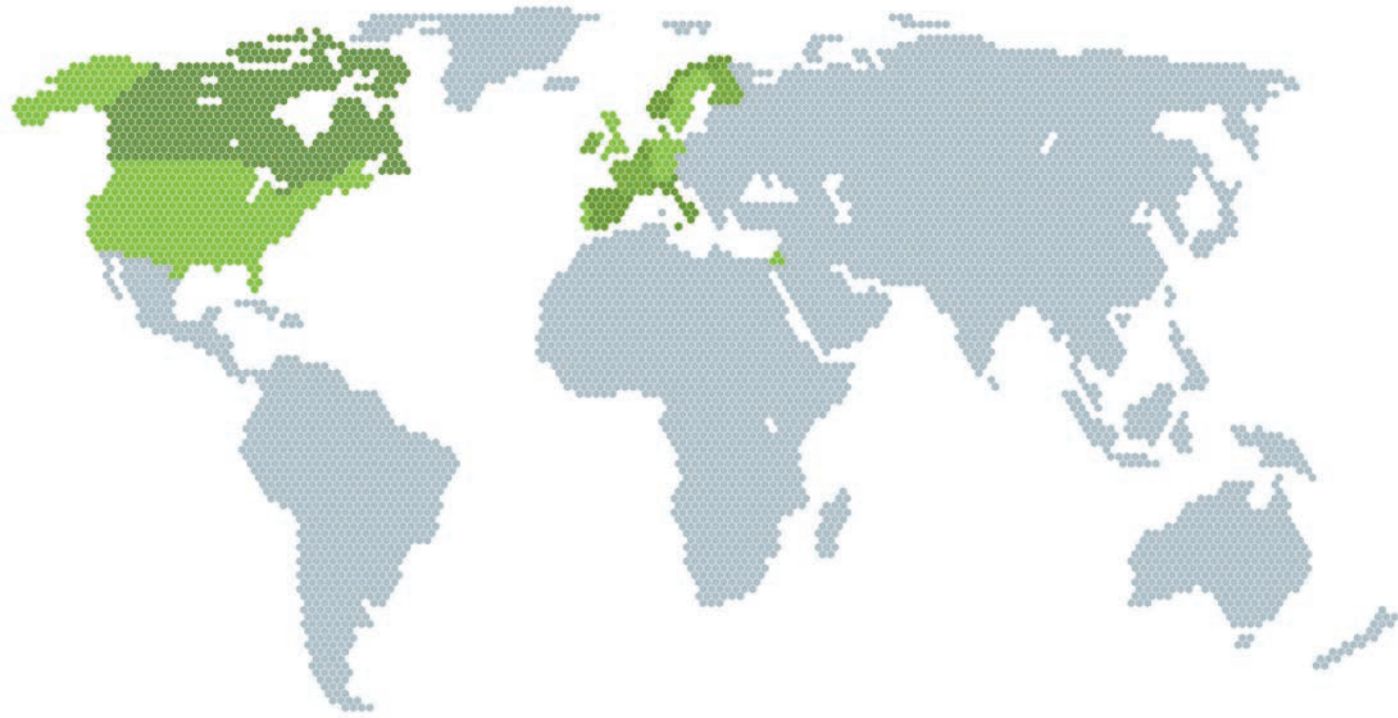
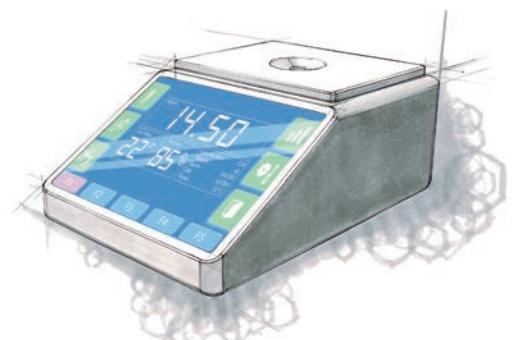
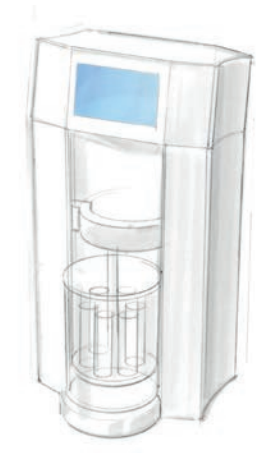


PARTNER NETWORK

Territories as per end of 2017



HMI's FOR MEDICAL AND LABORATORY DEVICES



Art. No. 801-0237

GARZ  FRICKE

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WE MAKE IT YOURS!

GARZ  FRICKE

HMI for medical devices

Medical & Laboratory Equipment

Safe and secure at any time!

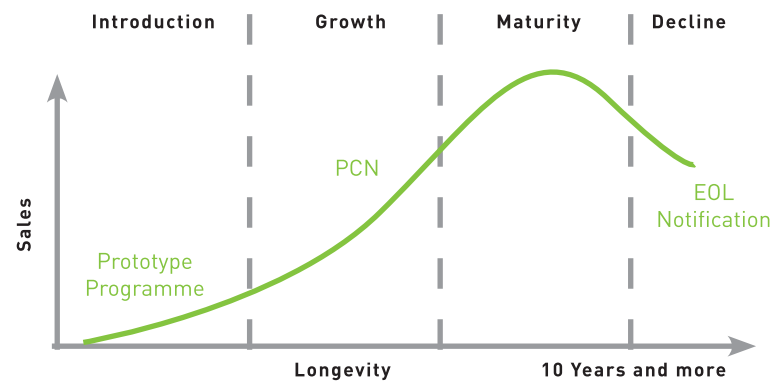
The development of medical and laboratory devices is subject to the most exacting requirements in terms of quality, safety and long-term availability. Today complete human machine interfaces from Garz & Fricke, as well as functional components such as single-board computers, are deployed in medical and laboratory devices developed in compliance with the stringent specifications of the standards DIN EN 60601-1 or 61010-1. If this is to function properly, we have to take certain measures as a matter of course, among them are systematic quality management in accordance with DIN ISO 9001 and production conforming to DIN EN 13485.

Garz & Fricke supplies a broad range of HMIs with scalable performance for a great variety of demands by using energy-efficient ARM processors with long-term market availability. This means that they are ideally suited for use in medical devices and laboratory instruments.

As a manufacturer, you benefit from the use of predeveloped modules thanks to a reduction in development time, which then allows you to concentrate on integration into the product when selecting the appropriate HMIs. We will be pleased to help you in this task.

Adapted solutions based on different integration options (panel/rear or flush mount) make it possible to achieve an individual and high-quality level of integration into your final product. Hygiene plays a crucial role when using devices in the medical and laboratory environment. Garz & Fricke HMIs with their touchscreen displays and including, e.g. a flush-mounted glass front make it possible to develop an optimum product concept that allows for simple hygienic preparation of the devices. WE MAKE IT YOURS!

Lifecycle Management



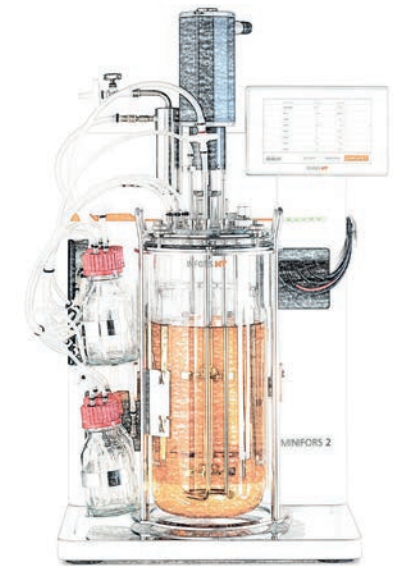
In contrast to consumer orientated IT hardware we guarantee our customers long-term-availability for our medical embedded products (typically 10 years and more) in terms of mechanical, electrical and functional compability. This is accompanied by appropriate lifecycle-management which includes

- Prototype programme
- PCN (Product Change Notification)
- EOL (End-of-Life Notification)

Medical and lab applications with intergrated Garz & Fricke HMIs



Curasul® Therapeutic Unit from BSN Medical GmbH



Research that pleases the eye - Bioreaktor Minifors 2 by INFORS HT based on SANTARO 7.0" boxed HMI

Application example Illustrated by BSN medical GmbH's "Curasul®" Therapeutic Unit

Modern high-tech-based wound care expedites the recovery from illnesses and injuries which had complicated and lengthy healing processes until very recently. At the same time, this places special demands on the technology employed. Tailored solutions based on standard components from display and microcontroller specialists Garz & Fricke assist implementation – as can be seen in the example of the Curasul® therapeutic unit for negative pressure wound therapy (NPWT) by BSN medical.

BSN Curasul® is a system to heal wounds, a joint device development from CogniMed GmbH and BSN medical GmbH, following the specifications of BSN medical GmbH's client. The device was developed for clinical use as well as domestic care and nursing

One of the key demands was that the HMI should be capable of displaying state-of-the-art graphics and also supply a modern user interface. It was also required to offer fast response times and uncomplicated programming, low power consumption and being easy to disinfect.

Quality Promise

Garz & Fricke GmbH operates an integrated management system that meets the following management standards:

- ISO 9001 - Quality Management
- ISO 13485 - Quality Management for medical products
- ISO 14001 - Environmental Management
- ISO 31000 - Risk Management



Learn more about this and other successful customer projects on our website at "Support & Resources".