

# Data input technology for machine and apparatus engineering

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### The practical value of a machine or a device is primarily defined by its ease of use

Machines and apparatus are as varied as the sectors and fields of application where they are employed. Machines for metal processing, for example, are confronted by different underlying conditions than filling equipment in the drinks industry or self-service terminals used by the general public. The type of interaction with the relevant system is a crucial factor in this process. A user can only operate a machine with comfort, precision and safety if it utilises the appropriate technology. The terms "operating and monitoring", MMI or HMI illustrate the complete range of operating technologies that are available. We offer the complete spectrum of hardware components and systems at the interface between human and machine. They range from special individual buttons to flat keyboards and even complete operating panels and operating systems. Our many years of expertise is endorsed by a variety of successful customised projects and our extensive range of products that are ready for use. It is our goal to offer customers exactly the right product or solution to meet their needs. We meet all the requirements set by our customers as a result of our technology expertise in the field of operating equipment, our development work and the high degree of in-house manufacturing.

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### We meet the requirements for operating equipment in the machine and apparatus engineering sector

#### Our services:

- Planning and manufacturing operating components, modules and systems
- Complete hardware and software integration
- Controls on a mechanical, capacitive and software-generated virtual basis
- Frame design and production using a broad range of materials and shapes
- Monitor and PC integration
- Use of all the common touchscreen technologies
- A wide variety of interfaces like USB, Ethernet, CanBus or NFC
- Tests and checks for specific sectors
- Extensive service and support
- Special features like lighting, explosion protection or an anti-microbial surface
- Faultless functions in challenging environments like extreme temperatures, dust and liquid emissions, mechanical effects, cleaning with disinfectants etc.
- Highest levels of technical reliability and safety
- Specific design adjustments to the appropriate operating conditions
- Development and production work of even small quantities of items in line with needs
- Adherence to specific sector standards and norms
- Comprehensive tests and checks before implementation in the field

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