

A hand is shown interacting with a futuristic glass display. The display features a network diagram with a central white circle, a blue circle, and a red circle, all connected by white lines. A dotted line with a blue circle at the end curves around the top. The background is a blurred office setting.

GET IN
TOUCH

GLASSCAPE FORSENSE

Touch & Feel – The future of data input before your eyes:
Touchscreen with force recognition and haptic feedback.



FEEL THE FUTURE

RAFI makes it possible yet again: The new innovation in the consumer area is now also suitable for the challenging industrial sector - the touchscreen with force recognition and haptic feedback. Once again, we're raising the bar on intuitive and safe machine operation.

The temperature is rising. The pressure is increasing. Every second counts. In moments like these, there's no time to continuously check inputs. Because machine operators have to pay close attention. Not to data entry, but to the entire process. Blind operation is the magic word here - intuitive with tangible feedback.

Eye-opening innovation – blind operation for industrial applications

The capacitive GLASSCAPE forSENSE touch inputs combine force recognition and context-dependent haptic feedback in one operating system. Our technology makes reliable blind operation of sophisticated machines possible. In addition, the context menu increases operating safety and comfort.

Filigree technology – despite the most adverse conditions

So far, this new data entry philosophy has only been implemented in smartphone forerunner technology. RAFI now exhibits this technology in industrial appli-

cations: different functions can now be incorporated into a single pushbutton. The touchscreen can be operated using capacitive data entry as well as force recognition. Here, the actual function is triggered only after a freely-selectable force threshold has been exceeded. This increases operational safety. Different haptic feedback options also improve operator comfort.

Technical challenges – mastered with ease

Compared to the consumer area, there have been great challenges in realising GLASSCAPE forSENSE technology in industrial applications. Primarily the problem of the much larger and six-times thicker front glass had to be solved. The demands on sensors, controllers and mechanical mechanisms are enormous, but not a problem for the proven combination of Atmel maXTouch controller and RAFI touch sensors.



GLASSCAPE forSENSE with Touch & Feel operating concept

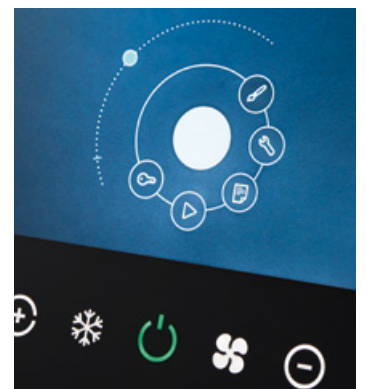
- 19" GLASSCAPE touchscreen
- Touchscreen with force recognition and haptic feedback makes blind operation possible
- Force recognition is flexibly adjustable
- Different haptic feedback options on the touchscreen and capacitive pushbuttons
- Context-dependent haptic feedback for blind operation
- High-density touch sensor made by RAFI
- Capacitive PCAP technology for multitouch applications
- Optimum finger separation

Optics and Design:

- Customer-specific design
- Individual illumination
- Night design can be implemented on request
- Optimized edge area and design
- Easy to clean

RAFI GLASSCAPE Systems

- ▶ Made in Germany
- ▶ Many years of RAFI field experience
- ▶ Fast availability
- ▶ Long-term availability = supply security
- ▶ Customer-specific design and system integration
- ▶ Optional integration of control components
- ▶ Very good optical characteristics
- ▶ Screen sizes up to 24"
- ▶ EMC compatible
- ▶ Touchscreen sensitivity adjustable to a wide range of liquids
- ▶ Expanded temperature range: -40 °C to +85 °C
- ▶ Industrially compatible





The information in this brochure only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which may change due to further product enhancements.

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