

Heidelberg University Hospital invested 3.5 million euros in the refurbishment of the oral and maxillofacial surgery outpatients unit



## Exacting demands in terms of hygiene and aesthetics

Short routes and optimised processes



Anyone entering the oral and maxillofacial surgery (OMS) outpatients unit at the Heidelberg University Hospital could almost believe they were entering a different world. The OMS outpatients unit was completely refurbished and, as part of the second stage of construction, three operating theatres and one recovery room have been set up and kitted out with state-of-the-art medical equipment and the latest technical findings.



Professor Jürgen Hoffmann, Medical Director of the Hospital and Outpatient Department for Oral and Maxillofacial Surgery, explains the reasons for the work:

"We wanted to keep the routes short and optimise processes."

In order to provide the best possible patient care, the experienced doctors and nursing staff were involved at the planning stage.

While the reception area is open plan, the 13 treatment rooms - all of which are also kitted out to the latest standards - are partitioned from one another. They contain only the most necessary equipment in order to keep things as manageable as possible.

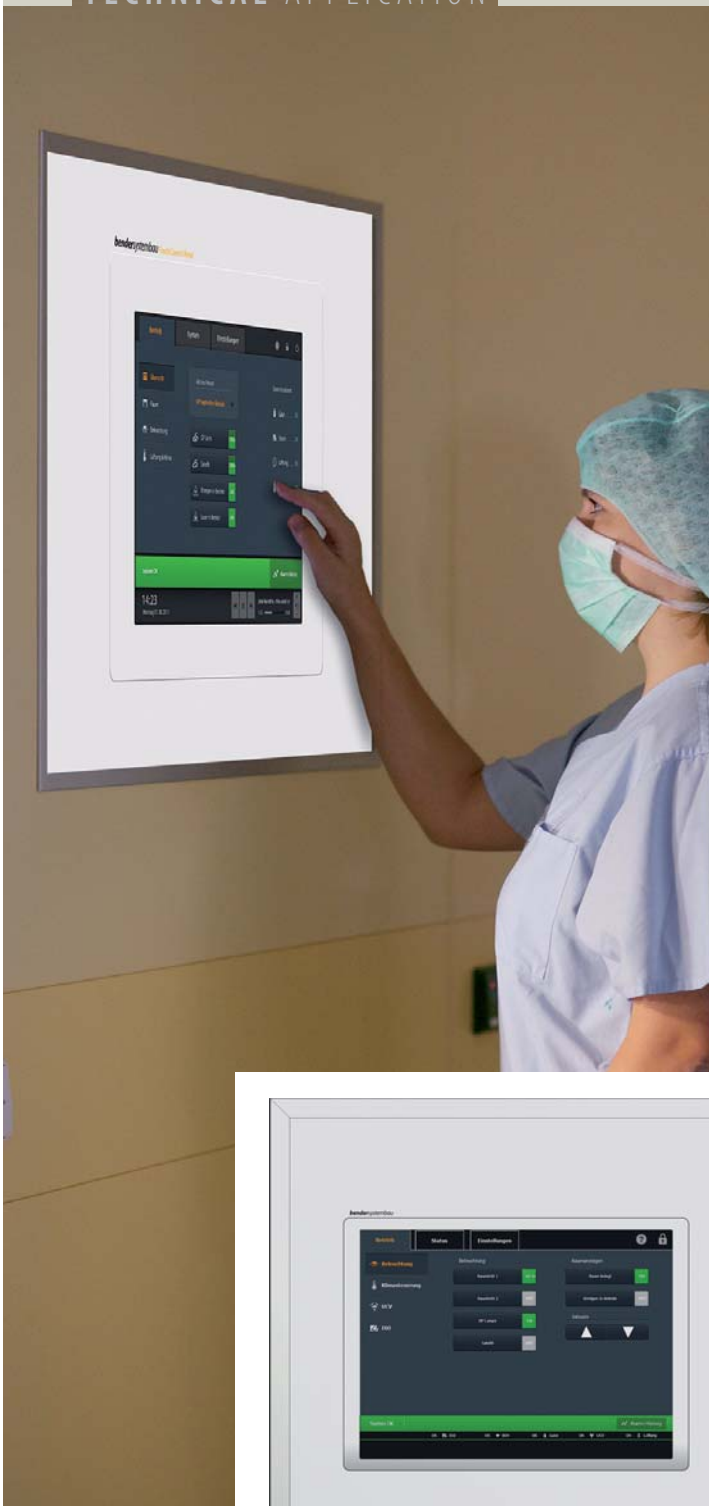
## The operating theatres

The OMS clinic has more than 80 employees, of which 25 are doctors and dentists. Every year, the OMS clinic on the ground floor of the main hospital treats over 30,000 patients. Many of them are tumour patients, but there are also people suffering from osteoporosis who require dental implants or patients with severely deformed faces and jaws and accident victims. There is a specialist clinic for children born with cleft lips, jaws and palates. There are 40 beds in the main clinic for inpatients.

The operations carried out by Professor Hoffmann and his team can last up to twelve hours. All the structures need to be carefully reconstructed and the patients need to be happy with the results.



## TECHNICAL APPLICATION



### Exacting requirements for the operating theatres

The Heidelberg University Hospital was extremely demanding in its requirements for the equipment of the operating theatres.

In this area, they opted for Glass Touch Control Panels (TCP) from **bendersystembau**.

Glass-fronted panels allow solutions to meet the most demanding of hygienic and aesthetic requirements. The benefits are clear: smooth surfaces are easy to clean and resistant to detergents, disinfectants and scratches. There is also the user-friendliness: easy, intuitive use is among the TCP's key features. **bendersystembau** has developed a touch-sensitive "behind-glass touch" system for operation through a glass screen, this enables the unit to be operated through glass with a thickness of four to eight millimetres. "The medical staff are very happy with the specific, functional operation," confirms Friedrich Schneider, the Project Manager responsible at Klinik Technik GmbH. "The touch-sensitive surface makes operation and monitoring easier within a medical context."

The graphics interface of the Touch Control Panel from **bendersystembau** can represent all kinds of complex structures. The status and command information are shown clearly and in structured form.



The built-in I/O system provides numerous options for embedding digital and analogue systems with various operating voltages, outputs, measurement signals and special functions within a single alarm indicator and operator panel.

The planners and operators opted for a technical, good-looking design, which will set the example for similar setups. ■

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### THE BENEFITS of Touch Control Panels behind glass:

- Good aesthetics
- High transparency without flaws
- Not sensitive to scratches
- Free choice of background colours to match operating theatre design.

### DEVICE FEATURES:

The glass front is a four millimetre pane of single-pane safety glass with circulating 0.5 mm becel and polished edges.

The surface is not sensitive to scratches. This is a benefit in terms of the printing on the reverse too. *bendersystembau's* specialist digital printing technique enables complex individual designs to be printed. The constant development of its own printing technology enables extremely high-quality print transparency.

The Touch Control Panels from *bendersystembau* are essentially free of interference patterns (smears).