



GET IN TOUCH

BANG Remote Operating station

CraneBROTM

With **CraneBROTM** – Bang-Remote-Operating station - remote controlled process cranes can be managed with same or higher productivity in comparison to cabin-controlled cranes.

Safe and constant performance for efficient crane operation:

- › Ergonomic work environment
- › Easy integration
- › Higher productivity

The main role of the operator is to initiate and supervise the automated intralogistics operations. **CraneBROTM** can be operated non-stop, from a hazard free, ergonomic working space.

In combination with **CranoMaticTM** – BANG Kransysteme's holistic crane management software – a more efficient use of the crane is achieved, increasing safety and having a positive effect on the output.



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ANY TO ANY

This principle enables the operator to **login to any connected crane from any connected desk**. That allows the crane to partly operate by itself and so calls for the **CraneBRO™** remote operator only when it requires manual operation.

HARZARD – FREE WORKING ENVIRONMENT

Perfect working conditions in a silent and air-conditioned control room, comfortable RECARO™ operator seats **contribute to personal health and welfare**. Adjustable **CraneBRO™** armrests by Gessmann. **In addition: shift change is easy and fast** and in general the crane operator role becomes multilayered and flexible.

CUSTOM DESIGN

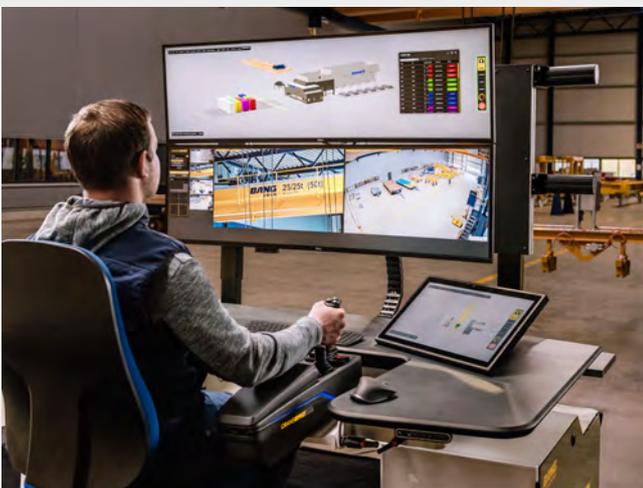
CraneBRO™ comes with customer standard HMI – from software to joysticks. Therefore every remote **control desk can be tailor-made**. Even to fit in to customers corporate identity.

SMART 360° CAMVIEW

CraneBRO™ operation is supported by strategically positioned cameras that **automatically track the movements of the load**. Screens are installed for perfect ergonomics and to enhance cognitive abilities. Information is displayed according to importance of process for easy, tireless and safe operation.

CONNECTIVITY

CraneBRO™ offers not only the ability to connect to different types of cranes but also to connect to different controller types and cranes of other crane suppliers. By this open system, **CraneBRO™** can be the single platform for remote control operations for a complete plant.



SAFETY FEATURES:

- › **Cyber security:** each connection from **CraneBRO™** to crane system is secured by protocols that offer security by design like PROFI-safe, OPC-UA or SSL based
- › **Real-time supervision:** Efficient networking and APIs ensure a minimum time delay between real life crane movements and screen presentation secured by constant latency checks
- › **Equipment identification checks** ensure that the operator desk is seamlessly connected to the selected crane

CUSTOM DESIGNED OPERATING SYSTEM AND DESK

CraneBRO™ can be adopted to customer standards

- › Any type of crane
- › Any type of controller/joystick
- › Visualisation by **CranoMatic™**
- › Integrated crane & warehouse management

DESK

- › **CraneBRO™** armrests: premium ergonomics multi-axis adjustments
- › **Size:** 1.800 mm x 1.400 mm
- › **Height:** 660–1.250 mm adjustable
- › **Joysticks and PTC-Cam controllers** of customer choice
- › **2 vented server cabinets:** 415 x 855 x 520 mm
- › **Monitor-support system:** for up to 4 large curved panels, incl. Igus cable management