

**INDUSTRIAL CRANES**  
POWER PLANT CRANES  
PORT CRANES  
HEAVY DUTY STAPLERS  
**SERVICE**  
MACHINE TOOL SERVICE

**KONECRANES**<sup>®</sup>  
Lifting Businesses<sup>™</sup>

## Reference **BURCKHARDT COMPRESSION AG**



Konecranes created a comprehensive concept for crane and hoisting technology for Burckhardt Compression AG.

### Burckhardt Compression in profile

Burckhardt Compression AG, with headquarters in the Swiss Winterthur, is world leader for piston compressor technology, components, and service. Around 1,400 employees work for the technology company at its headquarters and in global service.

### Starting point

The number of orders grows continuously. As a consequence, Burckhardt Compression is expanding and has built a new assembly hall in Winterthur on a surface of 2,300 square meters. The new hall is designed to include a process line intended especially for the highly productive manufacturing of compressors and components.

### Requirements

Burckhardt Compression requires high performance cranes to be able to safely transport the various components as well as the up to 80 tons compressors between the assembly stations. In addition, special crane and hoisting solutions are needed for the painting booth.

### Concept

Konecranes designed for Burckhardt Compression two double-girder bridge cranes with a 40 tons main hoist and 10 tons auxiliary hoist, 22.06 m span width, and 9.70 m lifting height. The two hoisting drives with variable lifting speeds are able to move loads together with the help of Synchro Hoisting. The assembly stations are fitted with seven wall traveling cranes with 5 tons bearing capacity and 7.20 m lifting height, as well as an electric chain hoist and a wall jib crane, each with up to 2 tons lifting capacity. The painting booth is equipped with explosion-proof crane technology: a wall jib crane, as well as a pneumatic chain hoist with 0.5 tons lifting capacity each, and a monorail hoist with a 10 tons lifting capacity, 9 m hook travel, and 7 m length.

### Solution

Thanks to the tandem operation, both double-girder bridge cranes function in full synchronicity via remote control. The additionally reinforced crane structure allows safe and precise positioning. All bridge and wall traveling cranes are fitted with frequency converters - for stepless lifting speeds and optimal lifting processes. The explosion-proof wall jib crane is customized with encapsulated electronics for use in the painting booth.

### Customer benefits

With tandem operation, high bending strength, and variable lifting speeds, the double-girder bridge cranes transport components and compressors with a weight of up to 80 tons, saving a lot of time in the process. The wall traveling cranes allow precise maneuverability of the components and the explosion-proof cranes ensure high levels of safety during painting. Modern technology and possibilities of preventive maintenance via TRUCONNECT® Remote Service ensure the high availability and long service life of the cranes.



### And what does Burckhardt Compression have to say?

„The collaboration with Konecranes is very professional. Thanks to the close coordination and excellent advice, we were able to implement our hall concept without issues. With high-technology solutions such as the tandem operation and the adaptive lifting speeds, the transport of components and compressors is significantly faster and safer. We now save up to a maximum of one third of production time. And when it comes to service and maintenance, we're also happy to put ourselves in the hands of Konecranes.“

### Clemens Jaser

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### Konecranes – Lifting Businesses™

Konecranes is one of the world's leading manufacturers of crane and lifting technology. In the business departments Service and Equipment, we develop solutions which lift loads and increase the productivity of our customers. We develop and produce crane systems and offer services for crane and machine tools of all makes.

Konecranes, headquartered in Finland, has about 12,100 employees worldwide at 626 locations in 48 countries. We combine global experience with local knowledge. Our customers include the production and process industry, shipyards, as well as ports and cargo terminals. They all profit from our motto: „Lifting Businesses!“



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