Ship-to-Shore gantry crane

RELIABILITY BUILT ON EXPERIENCE

Honecranes is a worldwide leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Honecranes provide productivity-enhancing lifting solutions as well as all-weather lifting equipment and services.

Honecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: AOKSE). The Group has 9,800 employees at 545 locations in 43 countries.

SMARTER FROM EVERY PERSPECTIVE

Operations

RELIABILITY AND PERFORMANCE
- Commitment to root-cause support
- On-boarding trolley Active Load Control (ALC) for quick load positioning
- Service modularity applied for quick crane recovery
- No two components from industry-leading suppliers, no copies used

Maintenance

EASIER, LESS FREQUENT MAINTENANCE
- Reduced hydraulic, mechanical and energy use, protection, electric mechanical trolley, lift and drive
- Solution energy applied to reduce the amount of separate machinery and components (anti-sway, side shift, drive and trolley)
- Service modularity applied for quick and less frequent maintenance (direct-gantry and trolley drives, flange-mounted motor)

Safety

SAFETY AND ERGONOMICS
- All-in-Cranebase, for absolute clear house and unencumbered load handling
- Safe crane access at the top via right walkways and platforms or by elevator
- Drilled machinery

Finances

LOWEST LIFECYCLE COST
- Dedicated to long-term partnership
- Equipment designed based on the Total Cost of Ownership approach
- Reduced hydraulics enabling dramatic operational cost savings
- Reduced consumption rate Community
- Fewer spares and less maintenance (see Maintenance)
- Higher performance for reduced cost/TEU

Community

ENERGY SAVING
- Reduced hydraulics
- With BoxHunter quick and precise load positioning
- Optimal equipment weight due to intelligent structure
- Energy-saving Honecranes drives designed for crane use
- Regenerative power feedback for lowest energy consumption and emissions

Terminal Manager

BEST PERFORMER IN EVERY RESPECT
- Quick vessel turnaround times
- Safety is priority
- Lower emissions and cost

www.konecranes.com
Konecranes semi-ran trolley on Bullholder boring with highest load capacity and best performance.

Flange-mounted direct drive on all traveling and trolley machinery enables quick changes and better structure deflection tolerance.

Electromechanical trim list skew offers higher precision, yet requires less maintenance than a hydraulic system.

With Konecranes AC drive’s optimized torque patterns, every lift consumes less energy.

Easy and safe crane access via rigid walkways and elevator.

Intelligent structure and design result in optimized weight that lowers energy and oil-consuming costs.

Mechanical anti-snag protection with friction pads. Reliable, maintenance-free, and proven safe solution.

Konecranes control system with Crane Management System for monitoring and troubleshooting the crane.

Main components and control systems supported by in-house Konecranes knowledge, both during the delivery process and after sales.

Konecranes control system with Crane Management System for controlling and monitoring the entire crane.

Remote connection to Crane Management System as standard (GPRS or WLAN).

Back pylon and back stay provide greater main girder stiffness.

Konecranes Ship-to-Shore gantry crane are the workhorses of any high performance container handling operation. They work 24/7, giving more value to your investment. Konecranes’ goal is to ensure that you get the best performance of your cranes throughout the lifetime of the crane. Our new design improves the crane operator’s control, ensuring the world’s smoothest ride. High operational performance and low maintenance costs mean positive impact on your business. Konecranes will take care of your crane in all phases during the lifetime of the crane.

The world’s smoothest ride

Konecranes Ship-to-Shore gantry cranes are one of the world’s most advanced and powerful container handling solutions. With a focus on optimizing operational performance, they offer the most energy-efficient and cost-effective solutions for any terminal.

Dedicated design

Konecranes design is focused on optimizing operational performance, ensuring the world’s smoothest ride. High operational performance and low maintenance costs mean positive impact on your business.

Konecranes will take care of your crane in all phases during the lifetime of the crane.

Ease of access

Stairs are located within leg structure for safer access.

Data sheet

Lifting Capacity

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<tr>
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<th>Panamax</th>
<th>Post Panamax</th>
<th>Super Post Panamax</th>
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<tr>
<td>40,000 tons</td>
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Dimensions

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<th>Panamax</th>
<th>Post Panamax</th>
<th>Super Post Panamax</th>
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<tbody>
<tr>
<td>Outreach up to 13 rows</td>
<td>up to 18 rows</td>
<td>22-24 rows</td>
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<tr>
<td>Lifting height 28-32 m</td>
<td>32-36 m</td>
<td>36-40 m</td>
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<tr>
<td>Gantry travel speed 45 m/min</td>
<td>60 m/min</td>
<td>75 m/min</td>
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<tr>
<td>Speeds</td>
<td>Hoisting speed empty 120 m/min</td>
<td>150 m/min</td>
<td>180 m/min</td>
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<td>Trolley speed 150 m/min</td>
<td>180 m/min</td>
<td>210-240 m/min</td>
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<tr>
<td>Safety span 150 m</td>
<td>180 m</td>
<td>210-240 m</td>
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Maintenance

Konecranes’ Crane Management System supports remote diagnostics.

* wheel loads are calculated case-by-case, according to the crane dimensions and the local conditions.

**"special loads" are calculated case-by-case, according to the crane dimensions and the local conditions.

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