



INDUSTRIAL CRANES NUCLEAR CRANES PORT CRANES HEAVY-DUTY LIFT TRUCKS SERVICE MACHINE TOOL SERVICE

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CONTAINER HANDLING

Ship-to-Shore gantry crane RELIABILITY BUILT ON EXPERIENCE



Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity-enhancing lifting solutions as well as services for lifting equipment and machine tools of all makes. In 2009, Group sales totaled EUR 1,671 million. The Group has 9,800 employees at 545 locations in 43 countries. Konecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: KCR1V).

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SMARTER FROM EVERY PERSPECTIVE

Operations RELIABILITY AND PERFORMANCE

- Commitment to root-cause support
- On BoxHunter trolley Active Load Control (ALC) for quick load positioning
- Service modularity applied for quick crane recovery
- All key components from industry-leading suppliers, no copies used

Maintenance EASIER, LESS FREQUENT MAINTENANCE

- Reduced hydraulics, mechanical anti-sag protection, electro-mechanical trim, list and skew
- Solution synergy applied to reduce the amount of separate machinery and components (anti-sway, side shift, skew and trim)
- Service modularity applied for quick and less frequent maintenance (direct gantry and trolley drives, flange-mounted motors)

Driver SAFETY AND ERGONOMICS

- 'All-in-Controllers' for absolute driver focus and uninterrupted load handling
- Safe crane access all the way to the top via rigid walkways and platforms or by elevator
- Enclosed machinery

Finances LOWEST LIFECYCLE COST

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

Community ENERGY SAVING

- Reduced hydraulics
- With BoxHunter quick and precise load positioning without moving the weight of trolley or gantry
- Optimized equipment weight due to intelligent structure and trolley design
- Energy-saving Konecranes drives designed for crane use
- Regenerative power feedback for lowest energy consumption and emissions

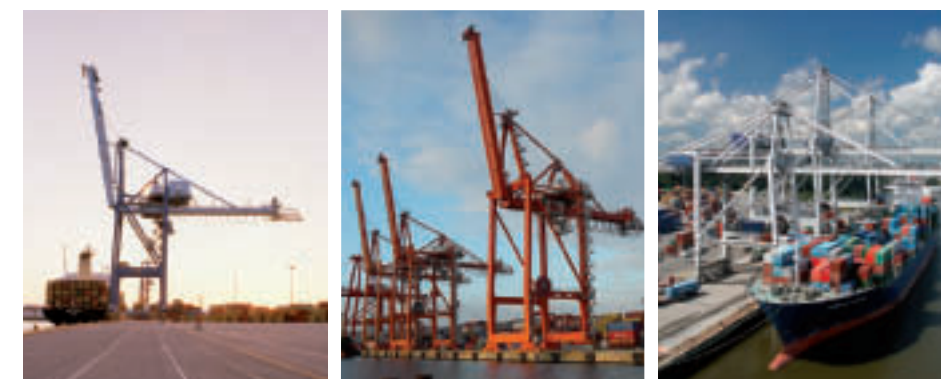
Terminal Manager BEST PERFORMER IN EVERY RESPECT

- Quick vessel turnaround times
- Safety a priority
- Lower emissions and cost



DATA SHEET

- ACTIVE LOAD CONTROL
- NO HYDRAULICS
- SOLUTION SYNERGY
- SERVICE MODULARITY
- INTELLIGENT STRUCTURE



Panamax **Post Panamax** **Super Post Panamax**

	Panamax	Post Panamax	Super Post Panamax
Lifting Capacity	40-50 tons	50-65 tons	50-70 tons
Dimensions			
Outreach	up to 13 rows	up to 18 rows	22-24 rows
Lifting height	28-32 m	32-36 m	36-40 m
Speeds			
Gantry travel speed		45 m/min	
Hoisting speed empty	120 m/min	150 m/min	180 m/min
Hoisting speed laden	60 m/min	75 m/min	90 m/min
Trolley speed	150 m/min	180 m/min	210-240 m/min
Trolley type	Semi-rope trolley or BoxHunter (with Active Load Control)		
Spreader	Electrical (Hydraulic)		
Spreader drive	Electrical (Hydraulic)		
Floating twistlocks	ISO		
Positions	20 ft, 30 ft, 40 ft, 45 ft, twin, single, twin twenty and long twin		
Quay interface			
Rail span	15-23 m	18-30,48 m	26-30,48 m
Bogie arrangements	8 wheels per corner, or more depending on maximum admissible wheel loads		
Typical wheel loads			
	35-45 tons/wheel	45-70 tons/wheel	46-90 tons/wheel
	30-40 tons/m	35-55 tons/m	45-65 tons/m

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

Maintenance
Konecranes Crane Management System
GPRS connection for Remote Diagnostics

WORLD'S SMOOTHEST RIDE

Konecranes Ship-to-Shore gantry cranes 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 cranes. Our new design improves the crane operator's control, ensuring the world's smoothest ride. High operational performance and low running costs mean positive impact on your business. Konecranes will take care of your cranes in all phases during the lifetime of the cranes.

