

INDUSTRIAL CRANES  
NUCLEAR CRANES  
**CONTAINER HANDLING**  
SHIPYARD CRANES  
HEAVY-DUTY LIFT TRUCKS  
SERVICE  
MACHINE TOOL SERVICE

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

## **KONECRANES BOXHUNTER FOR A WORLD THAT NEVER SLEEPS**



# IT HUNTS FOR YOU

The Konecranes BOXHUNTER is the RTG reinvented. Now the operator sits and works in an ergonomic heads-up position. And he's working in a cabin down at the truck lane, with direct line-of-sight to the main truck loading and unloading action.







## WE BROUGHT DOWN THE CABIN

**The operator climbs into the cabin in seconds. He tilts the controller forward and gets to work.**

**THE BOXHUNTER OPERATING CONCEPT**, with the cabin at the truck lane, is a first in RTG design and engineering. We took the Remote Operating Station (ROS) concept from our Automated RMG (ARMG) system and adapted it for use in BOXHUNTER.

One of its great advantages is operator line-of-sight to the truck action. The operator sees all the action in the truck lane up close. Video cameras and laser scanners give him total visibility over every container move.

Cabin accessibility is another advantage. The operator climbs into the cabin in seconds – it's similar to climbing into a truck cabin. How much operational time, over the course of a year and dozens of RTGs, can this save you?



# WE BROUGHT DOWN THE MACHINERY

**WE BROUGHT DOWN** the hoisting machinery as well as the cabin. Now the machinery is located down low on a sill beam, making it much easier to access during maintenance work.

**THE TROLLEY IS LIGHTER** so the BOXHUNTER steel structure is less top-heavy. This makes for a lighter, nimbler drive experience in gantry travel. It has a positive effect on trolley travel as well.





# WE BROUGHT UP THE ECO-EFFICIENCY

**THE KONECRANES BOXHUNTER** has a system of counterweights, inspired by the counterweight technology that is common in elevator design. This is another first in RTG design.

The counterweight system brings down energy costs because it eliminates the weight of the spreader from every lift. On average, this amounts to a 25% lighter load with every lift.





## BOXHUNTER ALSO RUNS **WITHOUT DIESEL**



### **CABLE REEL** **Electric**

This power option equips the BOXHUNTER with a cable reel, a feeding cable and a transformer, powering the crane from the grid. The feed point can be at the ends or center of the operating area. A fixed or portable auxiliary diesel generator is used to move the crane between the stacks.



### **BUSBAR ARM** **Electric**

The power is supplied by a low electrified fence that provides the physical contact. Depending on the voltage, a transformer may be required. A fixed or portable auxiliary diesel generator is used to move the crane between stacks.



### **PLUG-IN TROLLEY** **Electric**

The power is supplied by an electrified, plug-in trolley that travels beside the crane. Depending on the voltage, a transformer may be required. A fixed or portable auxiliary diesel generator is used to move the crane between stacks.

**LIGHT AND  
SIMPLE TROLLEY**

for easy maintenance.

**BOXHUNTER IS  
STANDARD**

**TO KEEP COSTS DOWN,**  
BOXHUNTER is standard. You are free to set the dimensions. But the rest of the crane doesn't improve with tailoring.

**STACKS**

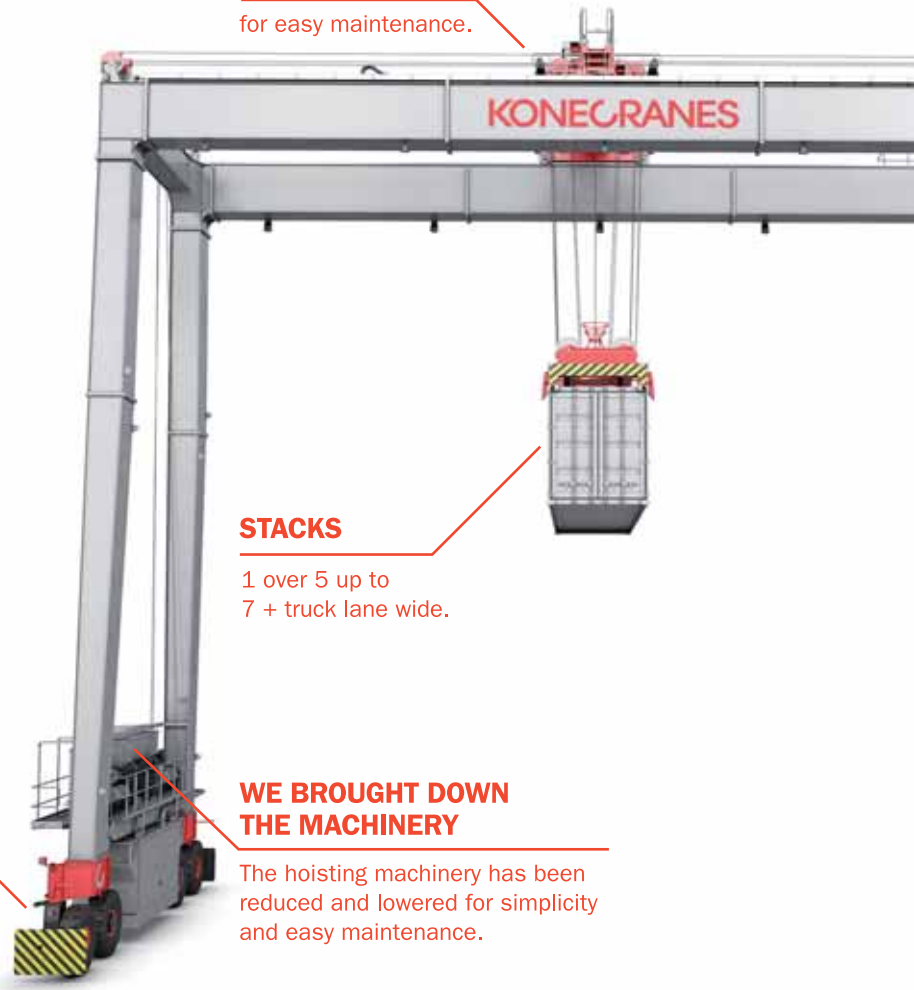
1 over 5 up to  
7 + truck lane wide.

**EIGHT OR SIXTEEN WHEELS**

No separate turning machinery.

**WE BROUGHT DOWN  
THE MACHINERY**

The hoisting machinery has been reduced and lowered for simplicity and easy maintenance.

**ALMOST OFF-THE-SHELF**

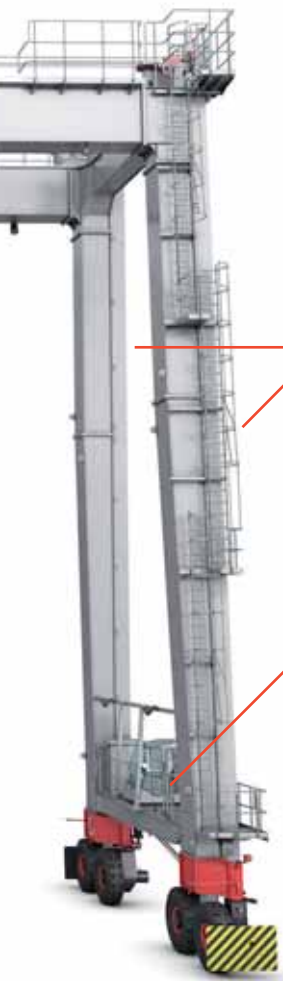
**BOXHUNTER'S MODULARITY**  
is an entirely new thing in RTG design and engineering. This is the most standard RTG ever. Every component is a carefully considered part of the whole concept.



**BOXHUNTER IS DELIVERED IN BOXES**  
every detail of BOXHUNTER has been thought out very carefully in advance.



**BOXHUNTER ARRIVES AT YOUR CONTAINER TERMINAL**  
as a regular container shipment. Erection can begin immediately.



### COUNTERWEIGHTS

in the legs eliminate the weight of the spreader and reduce the total load by 25% on average with every lift.

### WE BROUGHT DOWN THE CABIN

A new way of operating an RTG that puts your operator where most of the action is – the truck lane.

## BOXHUNTER BASIC TECH SPECS

<b>Dimensions with max. 1 over 6 and max 7 + lane</b>		<b>8 wheels (16 wheels)</b>
Lifting capacity	40.6 t	
Max. lifting height (1 over 6) / max. span (7 + truck lane)	20900 mm / 27200 mm	
Extension from leg centerline at diesel (with foldable platform open) / crane access side	1080 (1815) mm / 1160 mm	
Outside/inside clearance at bogie and e-house level	29670 mm / 26040 mm	
Crane width over bogie guards / wheel spacing in bogie	12225 mm / 2000 mm	
<b>Speeds, max., m/min</b>		
Hoisting with empty spreader / 35 / 40.6 ton load	52 / 26 / 23	
Gantry travel with empty spreader	130	
<b>Trolley</b>		
Type of anti-sway system included	Electric	
Skew/trim angle, degrees	±5°	
<b>Bogies</b>		
Tire size / pressure, bar	18.00–25 / 10	
<b>Control system</b>		
Drive	Konecranes	
PLC	Siemens	
<b>BOXHUNTER operating system</b>		
Spreader	Reeved-in spreader with integrated headblock	
Cabin	Standard Konecranes lift truck cabin	
Operating equipment in cabin	Konecranes graphical user interface, OP panel, controller	
Video camera & laser scanning system	Konecranes	
Crane Management System (CMS)	Konecranes	
<b>Default power supply</b>		
Diesel alternator set	VoIvo TAD1351GE, EU Stage 3A, max 335kW	
<b>Main options</b>		
DGPS Autosteering / Container Positioning System	With dual-antenna technology for accurate real-time heading info and rapid signal recovery	
Diesel Fuel Saver System	Two-step included	
Cable reel power supply instead of diesel engine / alternator	3-phase, 50/60 Hz, 1kV	
Busbar arm power supply instead of diesel engine / alternator	400–500V	
Plug-in trolley power supply instead of diesel engine / alternator	400–500V	



### SERVICE AND SPARE PARTS

The BOXHUNTER concept includes strong service and defined spare part packages. You'll get the mix you need.



### MAXIMIZE EQUIPMENT UPTIME

TRUCONNECT® Remote Diagnostics and Technical Support service reduces crane downtime. This new service ensures that Konecranes' best technical expertise is available for problem-solving, regardless of where you are located.



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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 of all makes. The Group has 18,000 employees at 600 locations in 50 countries. Konecranes is listed on Nasdaq Helsinki (symbol: KCR).

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