

SERVICE

LIGHT LIFTING
INDUSTRIAL CRANES
PROCESS CRANES
PORT CRANES
LIFT TRUCKS

CRANE MAINTENANCE

KONECRANES®
Lifting Businesses™

Increase safety and reduce wire rope costs with **KONECRANES RopeQ**



RopeQ – AN INDUSTRY BENCHMARK FOR SERVICE

Konecranes is the world's leading crane supply and service organisation.

We provide expertise and products to increase the value and productivity of our customers. Konecranes is committed to technology and innovative engineering along with local professional customer care.

Konecranes has the engineering resources that combine over 60 years of research to enable us to inspect your wire ropes both externally and internally. For that we use the latest nondestructive wire rope testing methods.

Wire ropes contain up to 400 individual wires. Throughout a wire rope's working life, the wires are subject to bending and abrasion wear. If too many of these wires are broken, the safety of the rope can not be guaranteed.

Usually only the outer surface of a wire rope is checked during a visual inspection. It is impossible to inspect the inner core using standard methods of inspection. For this reason, many wire ropes are classified as safe even when they should be discarded because of heavy internal damage. To increase safety use of plant equipment and wire ropes we have Konecranes RopeQ system for you. With our system you can inspect also the inner rope conditions.

Benefits of using RopeQ

- > Maximise your Equipment Investment
- > More reliable, accurate and repetitive inspection results
- > System compatibility with your own maintenance programme
- > Reduce the need to change wire ropes that are still compliant with lifting regulations

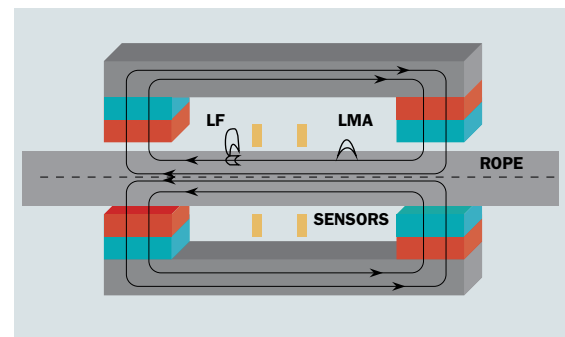
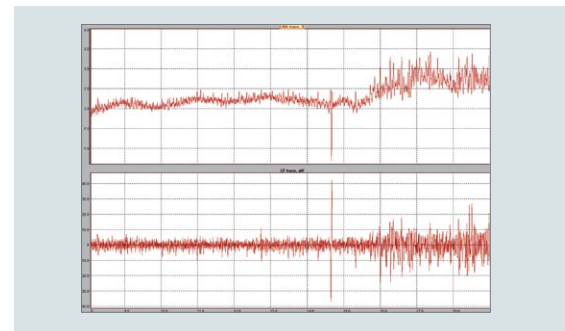
In applications with a higher safety risk it is necessary to instrumentally measure both the inner and outer surface of a wire rope. The magnetic-inductive method of inspection is the most practicable and reliable method to ensure your wire ropes are safe for the job.

Primary groups for RopeQ

- > Process cranes in steel mills, paper mills, steel service centers, foundries and waste energy plants
- > Harbor cranes
- > Cranes in a corrosive or otherwise hazardous environment such as pulp mills and chemical plants
- > High capacity service cranes with a long rope changing interval and the highest request for maximum safety, such as power station service cranes and nuclear power plant service cranes
- > Applications with long wire ropes or with known rope constructions with an increased risk of inner core damage



RopeQ service equipment.



Working principle. Permanent magnets induce a magnetic flux. Rope faults cause discontinuities to measured signal. Signal trace above.



“Higher safety and lower rope costs – when using Konecranes RopeQ technology”



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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 and machine tools of all makes. In 2007, Group sales totaled EUR 1,750 million. The Group has 8,400 employees, at more than 470 locations in 43 countries. Konecranes is listed on the OMX Nordic Exchange Helsinki (symbol: KCR1V).

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