

Electromagnetic wire rope inspection

Extend the life of your crane's wire ropes and ensure equipment integrity with our electromagnetic inspection solution

Investing in new wire ropes can be a costly and time-consuming exercise. At Sparrows Group, our electromagnetic (EMAG) wire rope inspection provides our customers with a service that allows them to confidently extend the life of their ropes with in-situ condition-based inspections.

Electromagnetic inspection provides more confidence in rope condition evaluation, it provides quantitative data as opposed to a subjective visual inspection, and unlike visual examination, Sparrows magnetic flux leakage technique can see inside the rope, and detect broken wires and corrosion, wherever it occurs, without the need for the ropes to be cleaned first.

The ropes are tested, and the results are evaluated in accordance with standards accepted throughout the world. We can provide instantaneous results by connecting with a computer while testing is taking place. Problem locations can be visually inspected without having to unwind.

For breaks on the surface, the sensor head will find one broken wire in as many as 250 wires. For internal breaks, the detector will find fractures when they amount to 1% or more of the total number of wires. Corrosion can be detected at any location; the sensor will find 1% or more loss in the cross-sectional area. Condition monitoring provides considerable cost savings on the replacement of ropes.

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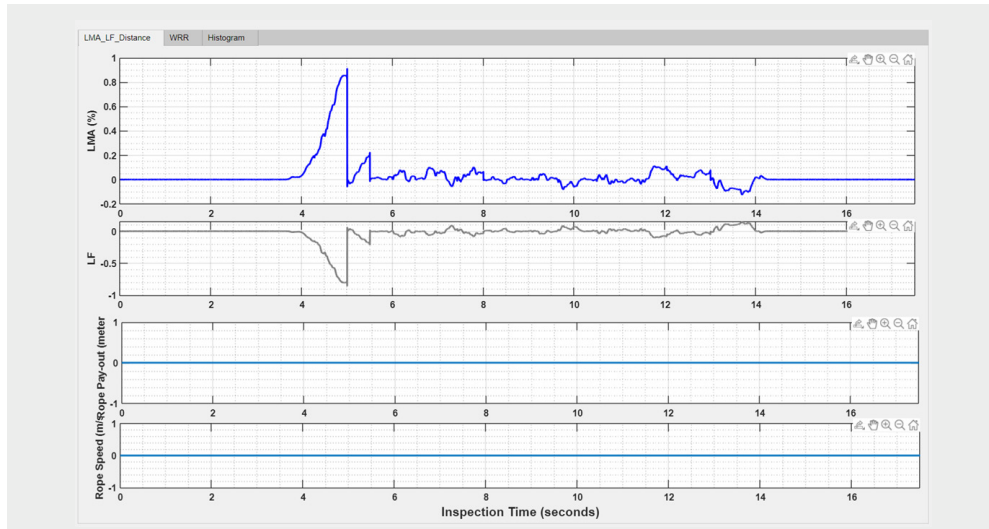


Our qualified inspectors are certified Level II in Magnetic Flux Leakage as well as qualified visual inspectors for wire ropes and slings. Our team in Australia have a range of sensor heads that can work with rope diameters from 6mm to 80mm.

1. Instantaneous results and quantitative data
2. EMAG sensor head units
3. Pressure lubrication and wire rope reeler options



1.



3.



For more information please visit www.sparrowsgroup.com

