Laser alignment survey technology serves overhead lifting equipment runways

RailQ Runway Survey from Konecranes is a unique laser alignment survey technology that has been designed to provide faster, safer and more accurate analysis in a fraction of the time of traditional rail surveys.

Konecranes, a global leader in manufacturing and servicing of overhead cranes and lifting equipment, offers RailQ Runway Survey for overhead lifting equipment runways. RailQ combines state-of-the-art laser survey techniques with Konecranes-specific software to accurately measure straightness, elevation, rail-to-rail elevation and rail span. The result is a precise, reliable runway analysis that provides cost-effective solutions for any rail system and for all makes and models of cranes.

RailQ from Konecranes uses proprietary visualization technology and a remote controlled robot trolley which runs along the rail to collect data via Bluetooth® technology and transfer the data to a Total Station to determine tracking issues and

misalignments—critical problems which can potentially lead to accelerated wear, higher costs and even crane failure. RailQ inspection methods verify the geometry of the crane structure and components, identifying problems that can result from geometric deficiencies.

Experienced crane engineers from Konecranes analyze RailQ survey data and provide customers with proactive, cost-effective recommendations for corrective action. The expert analysis is supported by visualization software that produces accurate and dependable calculations. Engineers interpret the survey findings based on two-dimensional graphs, data spreadsheets, corrective action reports and three-dimensional plots of the runway rails.

The RailQ from Konecranes can reduce surveying time due to the assessment of all dimensions of the crane rail with one measurement—keeping downtime to a minimum. Traditional runway tests require three separate measurements to assess straightness, elevation and span, requiring technicians to navigate the runway multiple times. RailQ was designed for technicians to navigate the runway just once to obtain all distinct measurement data, reducing surveying time and significantly decreasing the technician's risk of fall and trip hazards.

For more information about material handling equipment, go to www.konecranesamericas.com [1]

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[1] http://www.konecranesamericas.com