

Special Dual Capacity Application

R&M Materials Handling, Inc.



R&M chain hoists, wire rope hoists & crane components help our customers rise above their competition with the industry's broadest product portfolio.

With over 90 years of developing and perfecting crane packages, electric chain hoists, and wire rope hoists, R&M is ready to help your business rise above your material handling challenges.

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THE APPLICATION:

The project required a double girder top running crane with one hoist for use in a special dual capacity application. The runway was designed with a 40 ton zone at one end and a 10 ton zone at the other end. The hoist and crane had to have a maximum capacity of 40 ton but be restricted to 10 ton when needed.

Growth & Impact



RESTRICTIVE AREA PROTECTION

40 ton and 10 ton zone
runway design



SMART CONTROLS

HoistMonitor® Elite
provides advanced
diagnostic and
functionality



QX® CRANE PACKAGE

Configured to your precise
facility needs

Special Dual Capacity Application

“R&M said, “no problem” and easily solved the request with their HoistMonitor® product.”

THE CHALLENGE:

“Our customer presented us with a relatively difficult request to limit a 40 ton crane to 10 tons when it was in a certain area of their runway.”

THE SOLUTION:

R&M provided a QX® crane package utilizing the Spacemaster® SX wire rope hoist with the optional HoistMonitor® Elite (a control device that provides advance diagnostic information and customized functionality to hoist and crane operations) and engineered restricted area protection. A feature of the HoistMonitor Elite is “Intermediate Load Limit Settings”. This feature used in conjunction with the engineered restricted area protection option set a 10 ton capacity restriction on the crane when it was positioned in a certain area of the runway. If the crane travelled into the 10 ton zone with more than a 10 ton load, it stopped until the excess load was removed.



THE RESULTS:

R&M’s pre-engineered QX crane package configured with their HoistMonitor Elite provided the safety and stability required to a maximum the capacity of 40 ton but be restricted to 10 ton when needed.