



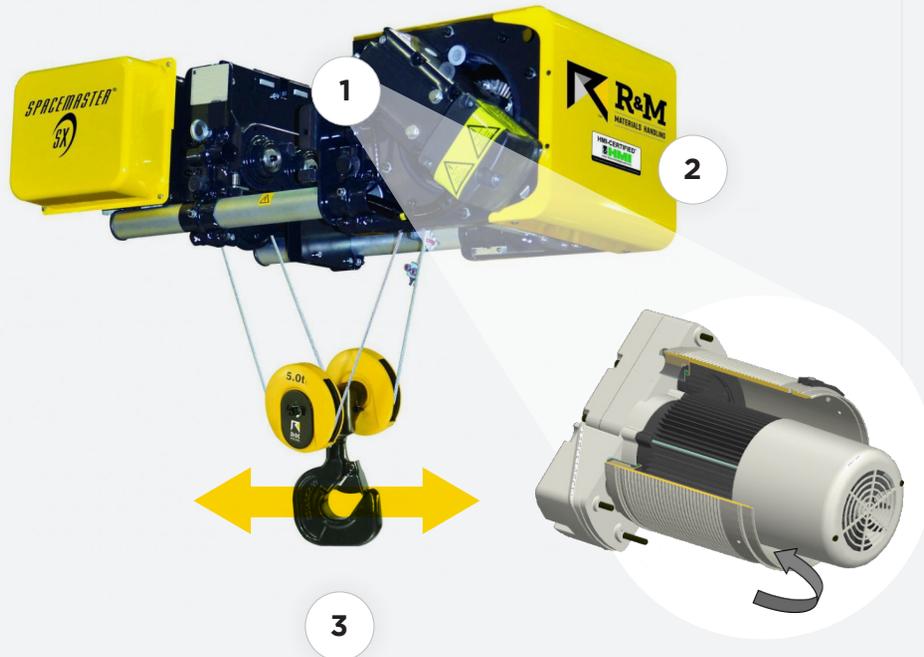
HOW CAN A ROPE DRUM DESIGN IMPROVE FACTORY EFFICIENCY AND SAFETY?

While rope drum design of a hoist might seem like a small detail, it can have a huge impact on efficiency and safety. A wide diameter rope drum allows for a more efficient and compact design, while a longer, narrower diameter drum takes up more space. R&M's wide diameter rope drum also reduces hook drift to just 1/8th of an inch per vertical foot of lift, resulting in near true vertical lift without the extra cost and maintenance of a double reeved hoist. The compact design allows you to snug the hoist up to the ends of the bridge girder for maximum trolley end approach and more usable factory floor space.

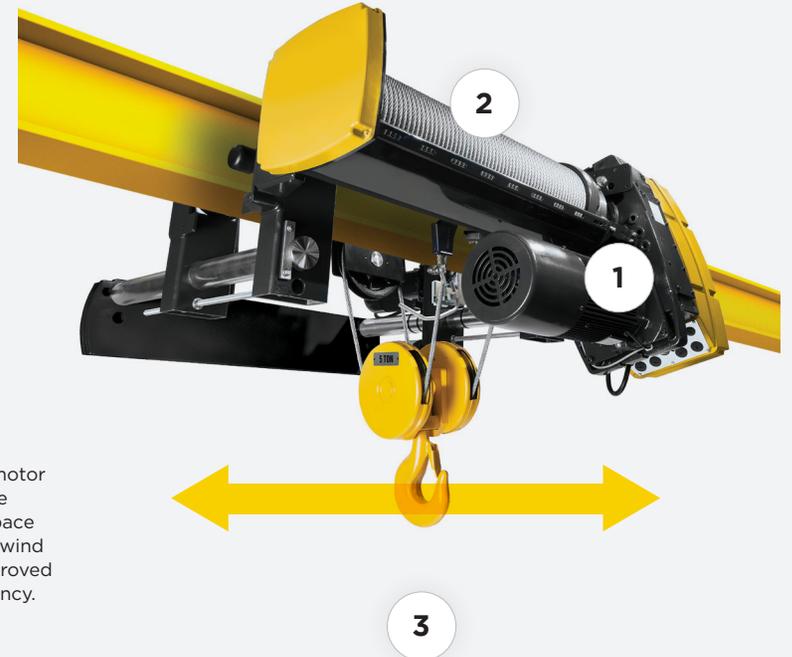
PRECISION AND EFFICIENCY

- 1 Hoist motor
- 2 Drum
- 3 Hook Drift

Wide Diameter Drum Reeving



Long & Narrow Drum Reeving



The hoisting motor inside the rope drum saves space and creates a wind tunnel for improved cooling efficiency.

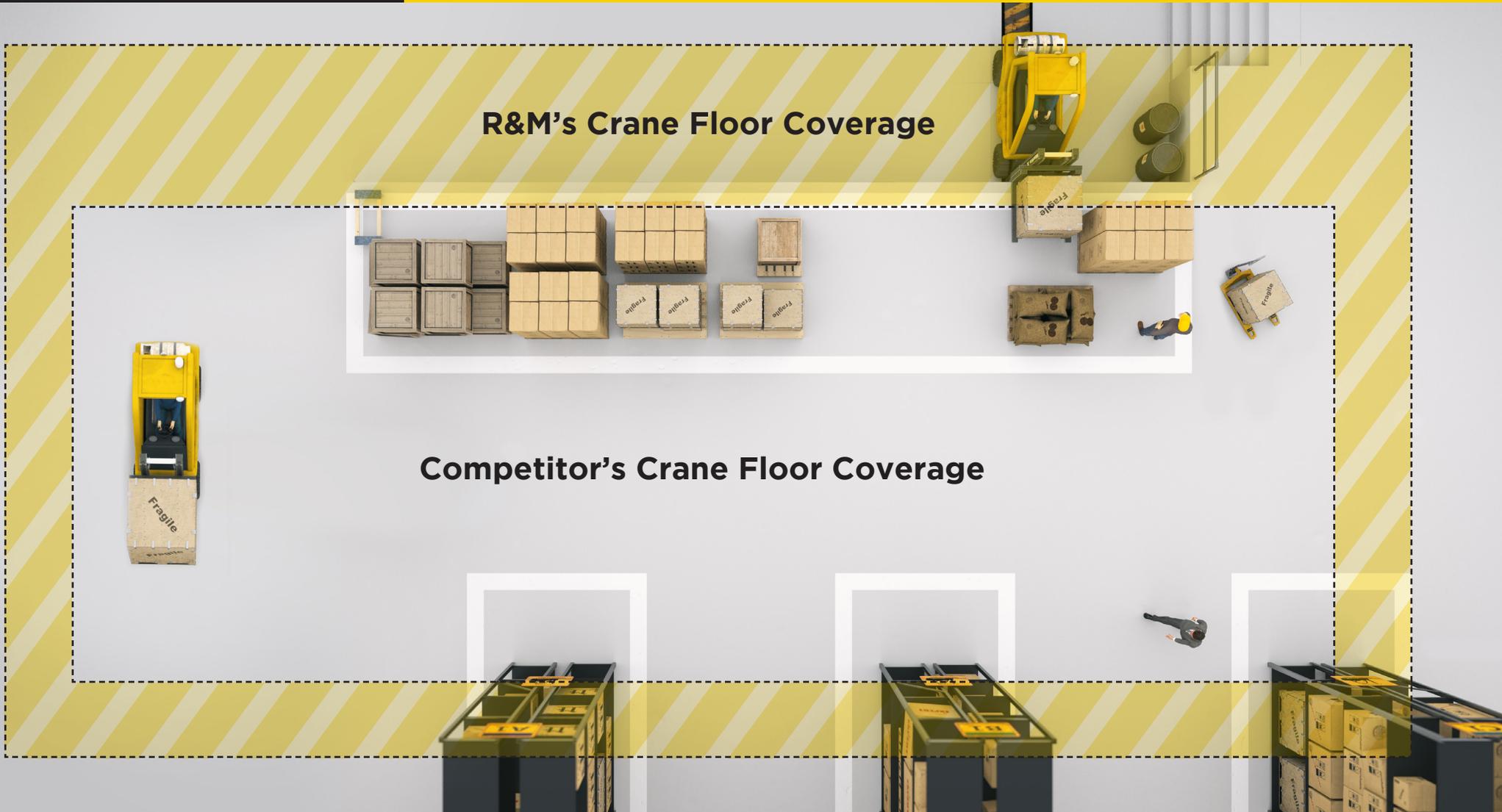


MORE USABLE FLOOR SPACE

The more efficient and compact design allows the hoist hook to get closer to the end trucks, improving end approach - which means more [usable space on the factory floor](#) and greater opportunity for flexibility in your production layout over time. When purchased as a part of a R&M modular crane package, space conservation is maximized in all 3 dimensions, allowing for maximum lifetime flexibility and [lowered total cost of ownership](#).

PRECISION AND EFFICIENCY

Flexible Factory Layouts



R&M's Crane Floor Coverage

Competitor's Crane Floor Coverage

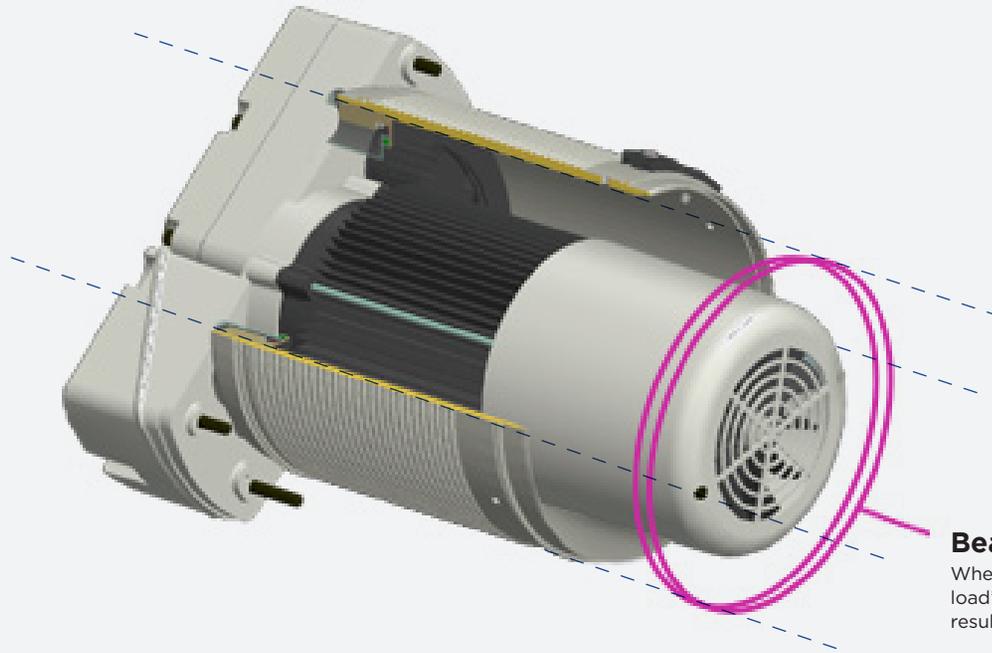


LESS WEAR AND TEAR

A wider drum diameter means reduced maintenance of common wear parts on your hoist. Because the wire rope is not coiled at as tight of an angle, there is a reduced risk for breaks in rope strands and kinks or bends in the rope, which would require replacement of the rope. R&M's design offers approximately 3x longer rope wear, compared to other hoists with a narrow rope drum design in the industry. Additionally, because the load is dispersed across more drum bearings, lifetime for the bearings is improved.

PRECISION AND EFFICIENCY

Reduced Maintenance & Replacement



Why not just use a double-reeved hoist?

With a double-reeved hoist, you lose the maintenance cost reduction and space efficiency at the end approach that a single-reeved hoist with a wide diameter rope drum offers. An R&M SX single-reeved hoist is less expensive, provides near true vertical lift, requires less maintenance and frees up more of your factory floor space.

Bearings

When more bearings are in use, the load's weight is more evenly distributed, resulting in longer lifetime.

Compact and Efficient Hoists for a Wide Range of Applications

The strength, safety, precision and reduced end approach offered by R&M's wide diameter rope drum hoists make them suitable for a wide range of applications across industries. Talk to a crane expert today about configuring a hoist to your precise requirements.

Call us at **800-955-9967** or contact us online to [find a local distributor](#) to help you.