



Features and Benefits

Safe handling of load

Very low headroom attainable

Reliable in tough ambient conditions

Designed for long service life

Industry Group: Hoist Manufacturers Institute (HMI)

Demag Electric Rope Hoist Snowmaking operation



The Opportunity

Demag 10 Ton DRPRO hoist on a Demag Crane for one of the highest crane applications in the world. The equipment is used for preventive maintenance on an innovative snowmaking installation. The "Snowmaker", supplied by the company IDE Technologies Ltd., produces 3300 cubic feet of artificial snow every day, in high quality and without any chemical additives.

The Solution

The hoist is equipped with 2 speed lift, low headroom under running style trolley with a top running single girder beam crane configuration. The hoist requirement was 2 speed lift, but the other travel motions are equipped with variable speed for ease when transporting material.

- The crane included the standard travel VFC features, allowing trolley and bridge infinitely variable speed motions, which provided the operator the precision required.
- Lift requirement was close headroom as seen in the above photo.
- The trolley and bridge are able to change speed as required by the operator. The travel on the bridge and trolley are infinitely adjustable by the operator. This allows motions to be fine-tuned to correspond with

each individual requirement. The operator can adjust the speed and the acceleration of the bridge by changing the pressure exerted on the button of the control station. This allows the operator to make adjustments depending on the application requirement.

- Four-position travel limit switch is standard on the hoist, but optional crane travel limit switches were supplied to stop the trolley and the bridge precisely as required by the customer for the application.

Wrap Up

The operators have been very pleased with the ease of use of the crane and the hoist. Safety was improvement. Continuous reliable operation.



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