



Demag Electric Rope Hoist Metal Flooring Plant

Features and Benefits

Safe Handling

Slow speed travel for positioning

High speed when positioning not required

Radio remote control allows the operator to always remain at a safe distance

Industry Group: Hoist Manufacturers Institute (HMI)



The Opportunity

A metal flooring company manufactures metal floor decking products and associated metal flashings, for use in the fast track construction industry. With a projected output of over 2,500,000 sq feet of metal decking per year, performance and reliability were deciding factors in selecting Demag Cranes & Components.

The Solution

Demag 10 Ton DRPRO Hoist on a Demag Crane. 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 positioning on cutting equipment. •

The crane included the standard travel VFC features, allowing trolley and bridge infinite variable speed motions that gave the operator the precision required. From a high speed of 120FPM to only a few FPM when needed on the trolley motion, and a fast 160fpm on the bridge to also a few FPM when positioning.

Lift requirement was standard speed, but trolley and bridge needed positioning capability without compromising overall speed when needed for fast throughput.

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 speeds and accelerations on the bridge are adjusted by the operator by changing the pressure exerted on the button of the control station. This configuration allows precise positioning, but also fast travel when required.

Wrap Up

The operators have been very pleased with the ease of use of the crane and the hoist. Safety has been improved. Continuous reliable operation has been yet another benefit.



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