

Demag Wire Rope Hoists and Overhead Travelling Crane



Features/Benefits Provided:

- **Fast travel and slow for positioning as needed**
- **Reliable in tough application**
- **24-hour operation**
- **Cab operated or radio to allow operating safe distance**

Steel Sheet and Plate Handling - The Opportunity

Blume Steel Service Ltd. is using wire rope hoists on a Demag Crane to transport and handle steel sheets and plates. The Demag double girder overhead traveling crane is "gently" handling heavy steel plates when needed, but also travels fast when required. The customer also depends on a high level of reliability for the crane, which is in continuous operation 24 hours, every day.

The Solution

Demag 20 Ton DRPRO hoists on a Demag crane. The two hoists are equipped with 2-speed lift, and mounted on a double girder top running trolley. The crane is a top running double girder configuration utilizing a box girder. The application also required that the travel motions be equipped with variable speed for ease when transporting the plates.

- The trolley and bridge speeds are both infinitely adjustable and can change as required by the operator. This allows travel to be fine-tuned to correspond with each individual requirement. This also allows adjustments to occur depending on the need for positioning or production throughput requirements.
- The double girder overhead traveling bridge crane has a total load capacity of 20 tons and can be used to the full capacity in more than one way. The operator can use the system in the simultaneous mode or one hoist at a time in the independent mode. This option is often called an "S&I" option. When the hoists are working together, the controls limit each 20 ton hoists to 10 tons only. When the operator choose independent mode the system renders the other 20 ton hoist inoperable, and only allows the use of one 20 ton hoist at a time for safety.
- The tandem hoists where needed to utilize the customer's existing magnet spreader beam. The load capacity of the spreader was two times eight tons, and the configuration met the requirement.

Wrap Up

The operators are very pleased with the ease of the crane and the hoists.

Continuous reliable operation has been yet another benefit.

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