



## Demag Electric Rope Hoist In the galvanizing industry

### Features and Benefits

Safe Handling

Variable speed travel as required by the application

Simultaneous and independent control as needed when lifting

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

**Industry Group:** Hoist Manufacturers Institute (HMI)



### The Opportunity

A metal Galvanizing plant with a harsh environment facility needed a system to handle long loads with versatility. The units needed to be able to run as a single unit or as two individual hoists allowing dipping of metal tubes

### The Solution

Demag 10 Ton DRPRO Hoists on a Demag Crane. The foot mounted hoists have been installed on a turn table type trolley allowing full rotation of the load. Both hoists are equipped with variable frequency speed lift allowing lift at any speed, simultaneous and independent controls for full range of motion as a pair or as individual hoists. The trolley and the bridge are also equipped with variable speed control.

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 and speed required a high degree of control and positioning capability without compromising overall speed when needed for fast throughput.

All motions are able to change speed as required by the operator. All travel motions are infinitely adjustable by the operator. This allows motions to be fine tuned to correspond with each individual requirement. The speeds and accelerations 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 hoists, and safety has been improved greatly. Continuous reliable operation has been yet another benefit.



#### **Demag Cranes & Components Corporation**

29201 Aurora Road

Solon, OH 44139

Phone: 440-248-2400

[jim.tucker@demag-us.com](mailto:jim.tucker@demag-us.com)

[www.demag-us.com](http://www.demag-us.com)