

Demag Electric Rope Hoist In the galvanizing industry

Features/Benefits Provided:

- **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.**



The Opportunity:

A metal Galvanizing plant needed an Overhead Crane to handle long loads with versatility, speed and precision. The metal tubes would need to be suspended from 2 hoists with the ability to lift each end simultaneously or independently. In addition the load would need to be rotated during the operation and the Hoists and Crane would need to be resistant to the harsh environment.

The Solution:

A Demag Double Girder, Top Running Crane with Dual, 10 ton Demag DR-PRO Wire Rope Hoists was selected for the task. The foot mounted hoists were installed on a special turntable type trolley allowing full rotation of the load.

Standard features on the DR-Pro Hoists included overload protection, load display, geared limit switch and an onboard monitoring program for maintenance. The most important requirement met by the Demag Crane was the ability to handle the loads at the safest and most efficient speeds required for each portion of the operation. Demag Stepless Variable Speed Control was supplied for the lifting speed of both hoists and on all travel motions. Unlike other variable speed Cranes that use two speed detente buttons for “ramp and hold” type operation, the Demag solution uses special pushbuttons that easily provide any speed the operator requires. The operator was able to complete delicate tasks at a safe speed of only a few feet per minute and then perform other tasks at any faster speed he required up to the maximum speeds for lifting and travel (Lifting: 60 FPM, Trolley Travel 120 FPM, Bridge Travel 160 FPM). The outstanding speed control reduced product damage and increased productivity.

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 in the harsh environment has been yet another benefit.

DEMAG
Cranes & Components

29201 Aurora Road
Solon, Ohio 44139
440-248-2400 Phone
440-248-2768 Fax
info@demag-us.com
<http://www.demag-us.com/>

Proud Member of The
Hoist Manufacturers
Institute

