



Demag ALU Enclosed Track Crane in the Printing Industry

Features and Benefits

Improved Operator Safety

Increased Productivity

Improved Ergonomics

Industry Group: Monorail Manufacturers Association, Inc. (MMA)



The force required to begin movement is approximately 1% of the load being moved.

Overview of what was accomplished.

Bundles of individual magazine pages are transferred from a pallet to a “stitching machine”. They are then properly sequenced and stapled together to create the magazine.

The equipment selected for this task was a Demag ALU (Aluminum) Enclosed Track Crane System suspended from the existing building structure. A Demag Electric Chain Hoist was used in conjunction with a special pneumatic gripping device to safely secure and lift the bundles.

The design of the Track Hangers allowed the crane to be easily clamped to the existing building structure. The ball and socket joints allow the system to articulate, resulting in almost effortless movement. Electrical and Pneumatic supply lines were easily festooned along the track system supported by their own smooth gliding trolleys.

Wrap Up.

Through the use of a safe and ergonomic material handling system, productivity and safety were greatly increased.

More discussion of accomplishments.

The ergonomic features of the ALU Track system greatly reduce the risk of repetitive motion injuries. The entire installation has proven to be extremely

safe and reliable.



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