



NEWS RELEASE

FOR IMMEDIATE RELEASE

Steel Mill Benefits from Furnace Door Winch

March 18, 2010, Winona, Minn. – A unique Furnace Door Winch solution from Thern, Inc. delivers the convenience and dependability manufacturing facility operators require.

A sheet steel manufacturing plant needed to simultaneously raise and lower two access doors on an annealing furnace, but the intense heat from the furnace prohibited winch installation near the furnace. Prolonged exposure to intense heat could damage winch components and crews would need to shut down the furnace to carry out routine maintenance.

Thern's single winch solution allowed for installation away from the heat source by using directional sheaves to run wire rope from the winch to the doors. The winch was installed at a more accessible location, providing an optimal operating environment for the winch to extend the life of the equipment and convenient access for maintenance crews.

But mounting the winch away from the heat source created another problem; the furnace doors were now located at different distances from the winch. In order to open and close both doors in unison, the Thern furnace door winch was configured using two drum compartments with different diameters to accommodate the differing line speeds needed to control both doors simultaneously. This single winch could fully open and close both doors in the same amount of time, eliminating the need for multiple winches or larger, more complex and expensive control systems.

Thern engineered winch solutions can accommodate a broad range of requirements for even your most demanding load handling applications. To find out more about Thern winch capabilities in manufacturing applications, visit www.thern.com to learn how Thern products can work for you.

Celebrating its 60th Anniversary in 2008, Thern, Inc. is a major designer and manufacturer of winches, cranes and hoists for virtually any industrial application. Founded in 1948, Thern is headquartered in Winona, Minnesota and markets its products worldwide. Learn more about Thern products at www.thern.com or contact us via email at info@thern.com or call 1-800-843-7648.

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