“SPANCO Wall Traveling Jib Cranes Have Improved the Efficiency of Steel Production”

Features and Benefits
Cost Effective Solution

Custom Engineered

Span Multiple Workstations

Improves Efficiency

Industry Group: Crane Manufacturers Association of America (CMAA)

Application Overview

During the steel production process, large overhead cranes are used to transport large refractory lined ladles full of molten steel from the blast furnace to a pour station. At the pour station, the ladle cover is removed and the ladle is tilted to transfer the molten iron into large molds waiting on transfer cars. Once emptied, the ladle cover is returned and the ladle heads back to the blast furnace to repeat the process.

Problem

In review of the production process, plant managers found that the large overhead cranes were being subject to significant downtime caused by tedious tasks like ladle lid removal and replacement. This was proving to be not only inefficient, but also difficult due to the size of the overhead crane.

Solution

SPANCO Wall Traveling Jib Cranes are a custom engineered and cost-effective solution for this problem. The Wall Traveling Jib complements the overhead crane system, providing a more efficient method for lid removal and allowing for operation of the overhead crane to focus on transport to and from the blast furnace. The cranes can be used to span multiple workstations in an entire plant. The

Wall Traveling Jib solution also translates into efficient material handling. As opposed to a semi-gantry crane, the Wall Traveling Jib spans a wall, so there is no crane leg or rail to interfere with floor activity.

Wrap-Up

For over 20 years, the steel industry has benefited from the use of SPANCO Wall Traveling Jib Cranes. These cranes have improved the efficiency of the steel production process.

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