

Gorbel Free Standing Work Station Bridge Crane Application



Industry: Steel Distributor

Product: Distributor of round bar and tool steel.

The Problem: Moving the steel bars required multiple workers and was unsafe.

The Solution: Gorbel Free Standing Bridge Crane

Read the Entire Story: A distributor of tool steel was looking for a lifting solution that would allow workers to easily move various sizes and weights of steel bar. The bars needed to be removed from their new roll out storage racks and transported to the saw conveyor. Moving the bars required two operators to grip and slide parts out of the storage racks and then several people to carry them by hand. If only two workers were available, they needed to slide the bars out by hand far enough to sling and support until the part could be secured in a safe manor for transport to the saw conveyor.

The process was ergonomically unsafe, putting operators at risk for back injuries due to pulling the heavy parts out of the storage racks. It was also time consuming, causing a loss of production by requiring two or more people to perform the task as well as the risk of dropping and damaging parts.

The company decided to integrate a Gorbel Free Standing Bridge Crane with a 23' Bridge and 43' runway with a Coffing VFD Hoist and their own existing magnet lifter to a Steel Storage Systems Roll out storage rack.

This was a complete system that allowed the workers a safe and easy way of moving the product throughout the production process. It also allowed for a phased in addition of roll out storage racks expanding the storage of the stock in the crane area. Workers can now crank out a rack that allows for the Gorbel bridge crane to get directly over the part with minimal effort. A single operator can attach the sling or magnet by himself and move the product throughout the process without the strain or risk of dropping the part.



The workers were used to very old I Beam style cranes and were not necessarily welcoming to new equipment. However, after using the Gobel Cranes, they were very happy and most importantly, they now use the equipment for all lifts.

The company is extremely satisfied with the increased speed and safety of the Gobel solution, as well as the fact that the process can now be completed by one operator who no longer has to wait for assistance. They have started to expand the storage racks and plan to extend the crane's runway length during a later phase.