

## Case Study Bridge System

# Moving overhead saves downtime and floor space.



A US Tire company had a problem with changing out the spools on their wire winding machines. The weight of a full spool of wire required a lifting device. So they mounted an arm to the back of a maintenance cart. This brought about another problem. "ACCIDENTS" They would back the cart in to make the change out and BANG they would bump the machine and cause damage to the machine and the cart. Clear floor space required to maneuver the cart was too much.

This problem could be easily solved by the installation of a simple X-Y bridge system over the bank of wire winding machines. Using one runway and two bridge cranes. One as primary and one as back-up.

The proposal was adopted for a new bank of machines. It was found that they had zero down time for the machines to be repaired and realigned. Along with the fact that the reel change out took half the time with less personnel in one third of the floor space. This arrangement was implemented over all of the wire winding machines at this location. Increasing productivity and improved utilization of plant floor space.

### Features/Benefits Provided:

- Ease of operation.
- Reduced damage and downtime for equipment.
- Increased productivity.
- Improved utilization of floor space.
- Safer environment for the workers.
- Cost savings for the employer

*"You sometimes have to look overhead to do the job more effectively"*



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