



SPANCO®
Promise to Perform Industries, Inc.

**CEILING-MOUNTED
MONORAIL SYSTEM**



CEILING-MOUNTED MONORAIL SYSTEMS

Monorail System Improves Productivity and Lean Manufacturing

The Challenge

A global provider and original equipment manufacturer of agricultural machinery produces a wide-range of tractors, harvesters, balers, self-propelled sprayers, haying tools, seeding equipment, utility vehicles, and more. Their equipment is produced worldwide, but their 154,000 square-foot Pennsylvania factory is home to the largest hay production and baler-making facility in the world.

As their business and factory expanded, so too did their need for a material handling solution that was capable of moving long farm implements around their facility. The pieces had to follow a large, repetitive route, so they knew they needed a versatile system that would be easy to use, could navigate around obstacles, and could potentially travel the entire length of the facility.

That's when they reached out to a Spanco dealer to conduct a thorough assessment of their operation and suggest the best system for their needs. Ken Deaven from Power Hydraulics, Inc. answered the call, and immediately recommended a Ceiling-Mounted Monorail System from Spanco. Ken was familiar with the company's products and facility, as they had purchased multiple Spanco Workstation Bridge Cranes over the years.

Workers use a lean manufacturing process that requires parts and equipment to move from one work area to another. The ceiling-mounted monorail not only provides the ability to lift and move products along a fixed path, but it's also flexible enough to connect to other systems.

The Solution

Considering that fabrication, welding, painting, and even shipping and receiving all take place in the same facility, the system needed to cover a lot of ground to reach multiple work areas. Spanco Monorails are an excellent, economical alternative for work areas that cannot be serviced by bridge cranes, including hard-to-reach locations and buildings with high ceilings.

The ceiling-mounted system is drop-rod mounted to avoid overhead obstructions and includes a rated-capacity of 4000 pounds—with two 2000-pound hoists. The monorail runs nearly 130 feet in length and includes electric hoists and proper festooning to ensure ease of use and functionality.

Since the expansion, workers are very happy with the new Ceiling-Mounted Monorail System from Spanco. The system requires no floor space for support columns and includes hangars for slopes, splices, and end stops.

Not only is the monorail quiet and easy to use, but it also navigates around columns and bulky machinery that would normally obstruct material handling equipment.

With the new Ceiling-Mounted Monorail System from Spanco, workers are able to move heavy equipment and parts from one point in the production facility to another without worrying about floor or overhead obstructions.

3x easier to operate and control
than patented track systems

28% improvement in
overall productivity

1 worker required to move large
parts from one work area to another

- Extend crane reach
- Ideal for production processes on a fixed path
- Enclosed track provides smooth travel
- Easily place parts into machinery
- Requires no floor space for support columns
- Link to adjacent workstations

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