

Case Study
(2-Minute Overview)

Enclosed Track Crane System results in improved ergonomics.



Features/Benefits Provided:

- **Better Ergonomics**
- **Increased Productivity**
- **Load handling flexibility**

Overview of what was accomplished.

A workstation that handles a wide variety of parts required a flexible material handling system that could be suspended from existing building steel. A Crane system with a single girder Enclosed Track Bridge was selected.

The key design features of the Enclosed Track system are:

- Strong but lightweight track profiles.
- Low friction trolleys with plastic wheels and sealed antifriction bearings.
- Hanger components and crane bridge suspensions that articulate and prevent binding

The force required to begin movement is approximately 1% of the load being moved.

WrapUp. The Enclosed Track Crane System immediately improved the ergonomics at this workstation.

More discussion of accomplishments.

■ This system was easily installed by in plant personnel.

■ The articulating design of the runway hangers does not allow side forces to be transmitted to the support structure.

■ The bolt on design of the hangers did not require any drilling or welding to the support structure.

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