

# CASE STUDY

**Steel Fabrication Company  
Uses Richards-Wilcox Overhead  
Power & Free Conveyor  
To Save Floor Space and Increase  
Throughput**

**Features/Benefits Provided:**

- Reduced required floor space by 69%
- Increased throughput by more than 10%
- Decreased cure oven Design by more than 20%



**Steel Fabrication Company**

A Midwest fabrication company required a powder coating finishing system to best utilize the floor space at their fabrication facility. They also wanted to investigate the most efficient methods to convey their unusually long loads. To address these issues, this manufacturer selected the supplier that best answered their needs, Richards-Wilcox.

Although monorail conveyor systems are the traditional choice for finishing systems, they may require a significant amount of floor space and are not very flexible. A monorail system for this client would have required 97,440 square feet of space.

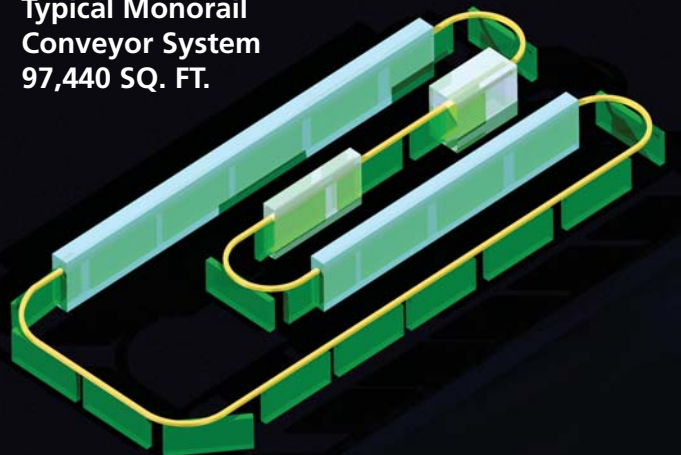
Richards-Wilcox designed a Power & Free system that used 69% less floor space and allowed for accumulation of loads on the conveyor system prior to the load and unload areas. The accumulation allowed the operators to keep the conveyor line fully loaded which increased throughput by 10%. The Power & Free system also maximized the cure oven design, which reduced the size required and allowed for a more efficient square shape design. This saved initial oven costs and yielded energy savings.

The project was completed on schedule, under budget and met all of the customer's objectives.

**Power & Free System 30,680 SQ.FT.  
used 69% less floor space**



**Typical Monorail  
Conveyor System  
97,440 SQ. FT.**



**Made In the U.S.A.**

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