

Case Study Curved Track

Offset Enclosed Monorail Handles two Operations



An automotive manufacturer in the US needed two work stations in the space of one. The two operator stations for sub-assembly and final-assembly of front-end components would normally require 2 bridge crane systems. The area overhead being at a premium the 2 systems would not fit in the area allotted. A curved offset monorail system was proposed for both the left and right hand operation.

Having addressed all of the concerns and problems of this project the proposed systems were purchased by the customer and put into operation. The offset in the monorail allowed parts to be lifted off the sub-assembly conveyor and transferred for installation on the frame. Under normal conditions 2 bridge systems would have been used for this operation.

The operators got there precise pick and place points both systems fit in the allotted space and the owner got a 42% savings over a conventional bridge system.

Features/Benefits Provided:

- **Ease of operation.**
- **Eliminates the need for two bridge systems.**
- **Saves space in the overhead arrangement.**
- **Cost Savings.**

This solution can be used when your overall area can't handle a simple X-Y bridge system. And the need for precise pick and place locations are dictated.



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