

## Case Study (2-Minute Overview)

# Successful Cab / Chassis Marriage



### Features/Benefits Provided:

- Safe handling of a heavy and bulky part
- Increased Productivity
- Precise fitting
- Reliability

The Enclosed Track incorporates integrated Busbars. This allows the power supply to be continuous throughout the system, even through the track switches and branches. The track switching is motorized and is controlled either automatically or by the operator via a radio control transmitter. A low headroom electric chain hoist provides smooth lifting and load placement.

### Overview of what was accomplished.

The operation of lifting a truck cab and “marrying” it on the chassis required a very specialized system. An Enclosed Track monorail with 5 tractor driven hoist trolley units was selected. The monorail system incorporates several track switches and branch tracks.

Some branches were used as storage and maintenance areas. Others were used to provide flexibility, allowing the proper cab to be inserted into the production sequence. The looping path of the monorail insures that a continuous material flow is maintained.

### More discussion of accomplishments.

- The tight tolerances of the track switches insure a successful transfer to the branch track.
- Because changes or add-ons to the system are easily accomplished, the system can adapt to changing manufacturing processes, increased production or new models.
- Several parts of the material flow are automated, allowing the operator to begin other tasks in preparation for the next operation.

*The reliability of the track switches and busbar system was a great improvement over the previous “I” beam system.*

**WrapUp.** The flexibility and reliability of the new enclosed track system greatly increased productivity.

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