



## Automotive Assembly Plant Improves Productivity with AGVs

### Features and Benefits

FIFO Delivery

Automatic Pull System

Dedicated Pick/Drop Stands

Racks Not Stored in Plant

No Product/Rack Damage

No Plant Damage

Improve Plant Safety

Improve Plant Productivity

Reduce Plant Operating Cost

Paths Can Be Easily Changed

**Industry Group:** Automatic Guided Vehicle Systems (AGVS)



*Roughly 80% of racked parts are handled by the fleet of AGVs*

Racks of stamped parts are off loaded at several docks onto gravity fed conveyors. A system of automatic guided vehicles (AGVs) delivers full racks of stamped parts to over and under conveyors. Indexing of conveyors creates the automatic demand for additional AGV delivered parts, Empty are then returned by AGVs to the originating dock for return to vendor. The AGVs operate on 2 shifts per day making over 1,100 deliveries of 32 different components.

Each of the AGVs use laser guidance to maneuver through the facility. The flexibility of laser guidance allows changes to the vehicle guidepath to be implemented quickly and easily.

Each AGV has the same reach fork design, which enables it to lift, lower, and carry a variety of parts held in custom racks.

Each of the AGVs use laser guidance to maneuver through the facility. The customer has already introduced several changes to the vehicle guidepath and the flexibility of laser guidance has allowed these changes to be implemented quickly and easily.

As a result, this guided vehicle system has played a major role in providing a safe, efficient material handling solution for the assembly plant.



**JBT Corporation (formerly FMC Technologies)**

400 Highpoint Drive

Chalfont, PA 18914

Phone: 215-822-4600

[mark.longacre@jbt.com](mailto:mark.longacre@jbt.com)

[www.jbt.com](http://www.jbt.com)