

## Industry Product Application

Automotive Cast Iron Rear Carrier Assembly

Description	This assembly cell produces a 9 3/4" rear carrier for the 4-wheel drive truck and SUV market. The system utilizes our MS-7 conveyor system capable of producing 3,000 carriers per week with two-shift operation. The system will assemble (4) different models for a variety of platforms.
Equipment provided	4 Automatic Stations 6 Semi-automatic Stations 4 Manual Stations 120 Feet of MS-7 LTR Conveyor ABB Pinion Bearing Preload and Flange Runout Machine ABB Pinion and Case Shim Automatic Gaging Machines
Technical Data	Cycle Time: 90 seconds (maximum) Floorspace: 4,250 sq. feet (50 ft. x 85 ft.) System Cpk: 1.67
Customer Benefits	Assembly system provided to customer in 22 weeks Lean manufacturing approach has minimized floorspace with increased worker utilization Technicians work primarily inside of the loop and handle several different pallet positions during a single work cycle Off-line workstations improve quality by ensuring that only good parts are allowed to enter the line.
Installation Date	2000

**ID No.** 30-1157

## **Powertrain Assembly**

ABB