

8.6 Carrier Assembly Line



| Facts | |
|-------------------|--|
| Industry | Automotive Tier One |
| Part | 3rd Member Assembly |
| Installation Date | 1997 |
| Description | Assembly line for 8.6 Carrier Assembly for light trucks. The system is a palletized assembly line. Two complete independent assembly lines capable of producing 4,800 carriers per day in a 2 shift operation. |
| Equipment | 10 ABB IRB-6400 robots 60 automatic stations 20 manual stations 2,600 feet of MS-7 conveyor |
| Customer Benefits | "Birth History" data coded on a RF tag, collected at end of the operation FIS System collects detailed information on overall production characteristics Data collected on individual stations |

| Facts | |
|---------------------------------|---|
| Technical Data | Cycle Time: 19.3 seconds Floor space: 15,000 sq. ft. Cpk: 2.0 Uptime: 92% minimum, 98% typical |
| Unique Elements: | Integrated balance line |
| Customer Provided Equipment | Balancing equipment – retool |
| Project/Steps to Implementation | Concept Specification Prototype Engineering Project management Manufacturing Installation supervision Installation Training |
| Project Responsibility: | Powertrain |
| Video/Photos/Reference: | Yes |