



**Industry  
Product  
Application**

Automotive  
Independent Front Axle  
Assembly

**Description**

Assembly line for a 205mm Independent Front Axle for 4-wheel drive truck and SUV market. The assembly system is a non-synchronous power roll MS-7 transport system. This equipment will assemble four (4) different axle types with weekly production reaching 5,000 units with two-shift operation.

**Major Equipment  
Provided**

- 13 Automatic Stations
- 5 Manual Stations
- 5 Semi-Auto Stations
- 2 Robots
- ABB Preload and Runout Machines
- ABB Pinion and Case Shim Automatic Gaging Machines

**Technical  
Data**

Capacity: 240,000/ year (2-shift production)  
Cycle time: 40 seconds  
System Cpk: 1.81

**Customer  
Benefits**

Kitted material on pallets minimizes floor dunnage.  
Accessible tooling for ease of preventative maintenance.  
Small footprint

**Installation date**

2001

**ID No.**

30-1152

**Powertrain Assembly**

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