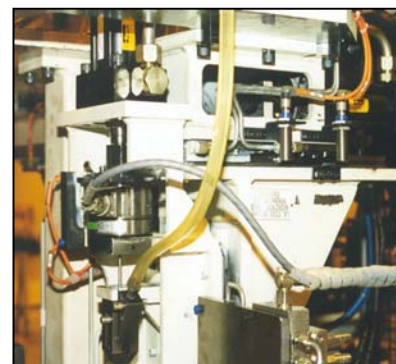




System Profile

Crankshaft – Dowel, DIS Ring, & Sprocket Assembly



- Industry:**
- Automotive OEM
- Part:**
- Crankshaft
- Installation Date:**
- 1999
- Description:**
- Automated Assembly line to install dowel, DIS ring, and sprocket into crankshaft
- Equipment:**
- 1 ABB IRB-6400 robot
 - 11 station transfer bars
 - Dowel press station
 - Ring sprocket assembly station
- Customer Benefits:**
- Fully automatic
 - Gantry load, robot unload
 - Centrally located within metal removal station

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System Profile

Crankshaft - Dowel, DIS Ring, and Sprocket Assembly

- Technical Data:**
- Capacity: 400,000/year
 - Cycle time: 30 seconds
- Unique Elements:**
- Robotic deburring
 - Robotic ring and sprocket orientation
- Customer Provided Equipment:**
- N/A
- Project/Steps to Implementation:**
- Concept
 - Specification
 - Prototype
 - Engineering
 - Project management
 - Manufacturing
 - Installation supervision
 - Installation
 - Training
- Project Responsibility:** Powertrain
Photos: Yes

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