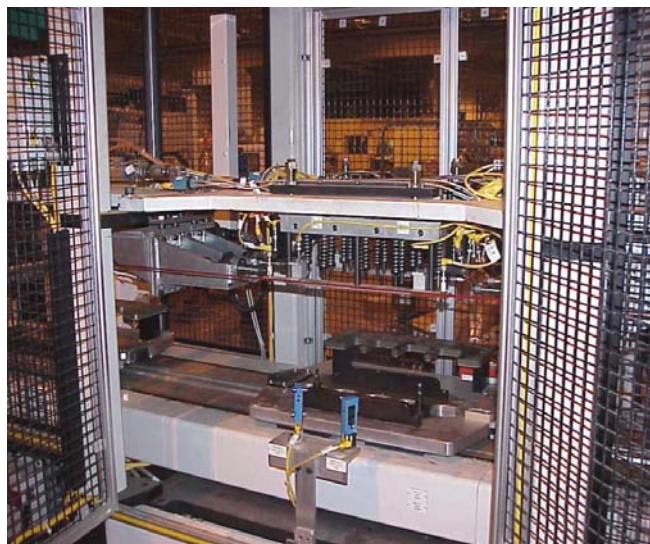




System Profile

V-6 Cylinder Head Assembly Line



- Industry:**
- Automotive OEM
- Part:**
- Cylinder head
- Installation Date:**
- 1999
- Description:**
- Assembly line for 12-valve aluminum cylinder head. Assembly system is an over/under system of non-synchronous power roll MS-4 transport delivery system. Equipment will assemble left and right hand aluminum cylinder heads. 3.5L engine.
- Equipment:**
- 21 automatic stations
 - 14 ABB robots
 - 9 manual back-up stations
 - 3 repair bays
- Customer Benefits:**
- Fully automatic
 - Assembly verification throughout process
 - Includes robotic key-up and valve install
 - Designed to run with two operators

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System Profile

V-6 Cylinder Head Assembly Line

- Technical Data:**
- Capacity: 300,000/ year
 - Cycle time: 22 seconds
- Unique Elements:**
- Patented robotic key-up tool
 - Laser key check
- 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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