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## Project: Automotive Latch Inspection Machine

### Problem:

Due to the nature of automotive supply contracts, zero defect constraints apply to assembly suppliers. Interior parts must be mechanically as well as cosmetically perfect. Penalties for non-compliance are harsh.



### Solution:

Eastern created a machine that checks the content of the assembly to double check the assembly operator. Since the assembly is manufactured in more than one version, it is necessary to verify that all trim parts are of the proper specification. Mechanical function is checked as well using pneumatic actuators. If



the assembly is good, it advances to the packaging station. If it fails for any reason, mechanical or cosmetic, it is automatically rejected to a locked bin for disposal by an authorized agent. This ensures that defective assemblies are never packed and shipped to the customer.

