



Assembly of Engine Valves High Speed Assembly + Functional Testing

Problem

WTAS approach to problem solving is to define and assess the problem parameters, analyze the requirements, and identify preliminary improvement opportunities.

- High volume production requirements
- In-vehicle application requires precise assembly and full testing
- Low labor requirement

Solution

WTAS develops solutions through cross-functional facilitation, knowledge-based application development, and best practices coupled with the right technologies.

- Robotics and full automation eliminates labor content
- Palletized transport keeps dry assembly separate from "wet" testing areas
- Automated functional testing

Benefits

WTAS works closely with the customer to realize economic benefits based on the evaluation, selection, and implementation of the best alternative solution.

- Low labor cost per part - over 1.5MM Valves / year with 1 on-line operator
- Over 98% first pass yield of fully tested, traceable Valves



- *"Exceptional engineering from concept design to full implementation"*
- *"Wes-Tech met all our expectations"*

Engine Valve

Assembly System

Customer Comments