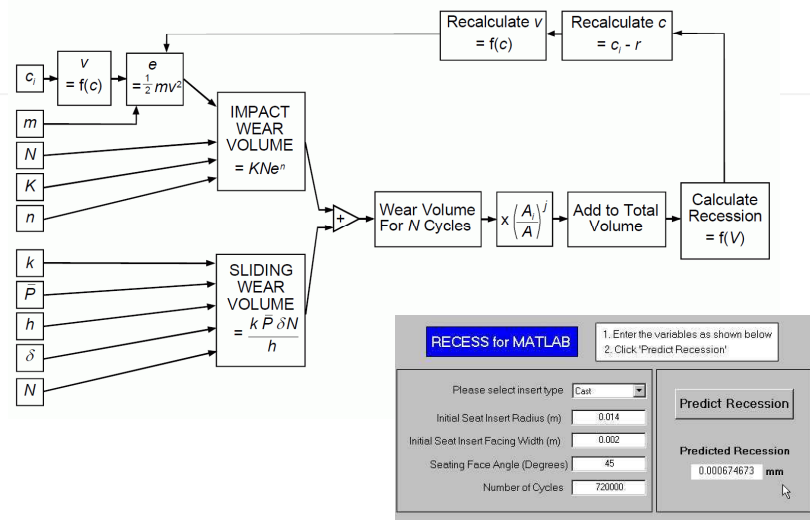
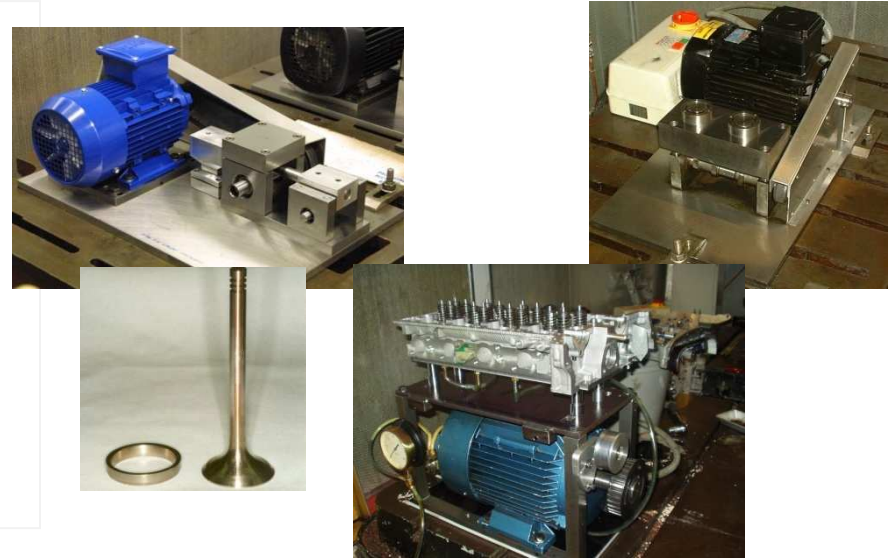


Automotive Valve Recession

Valve Recession is a Big Issue

- Increases emissions, reduces economy
- New technology/fuels introduce new problems
- Wear mechanisms needed investigation
- Problem solving strategy was required along with predictive modelling scheme



Results/Outcomes

- Impact and Sliding wear mechanisms
- Different valve and valve seat materials and surface treatments investigated
- Predictive model RECESS created
- Problem solving flow charts created