

# A Reality Check: Are We Building Reliable and Maintainable Equipment?

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## **Abstract**

A review of two major industry (automotive and nuclear) in the US reveals their lack of attention to the use of statistical tools and techniques in: . Constructing valid simulation models of manufacturing processes. Designing, manufacturing, operating, and maintaining reliable machinery and equipment. This presentation focuses on two case studies, and argues that the machine tool builders and manufacturing industry, alike, have failed to fully appreciate the importance of statistical tools and techniques in improving their productivity and reducing their operational cost.

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