

STATISTICAL PROCESS CONTROL



Statistical Process Control, commonly referred to as SPC, is a data-driven methodology for quality analysis and process improvement. In manufacturing no two products or characteristics are ever exactly same. Traditionally, product quality is ensured by post-manufacturing inspection of the product. In contrast, SPC uses statistical tools to observe the performance of the production process in order to detect significant variations before they result in the production of a sub-standard or defective product.

This course consists of a balance of lecture, practical exercises, group workshops and supplemental handout information. The instructor will guide students through real-world SPC examples so participants can effectively apply what they have learned.



Brief Class Outline

- ◇ Introduction to SPC
- ◇ Statistical Concepts
- ◇ Data collection
- ◇ Sources of Variation
- ◇ Control Charts for Variables
- ◇ Control charts for Attributes
- ◇ Control limits v. Specification Limits
- ◇ Process Capability
- ◇ Problem Solving tools

This class is interactive as well as discussion oriented. It is designed to be fully customizable to your employee training needs and we are able to conduct this training at your site or ours.

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