

# Process Capability Analysis Workshop

In this **4-hour** workshop, participants will learn how to conduct capability analysis and interpret results. The difference between machine and process capability will be explained with examples. All indices, including  $C_p$ ,  $C_{pk}$ ,  $P_p$ ,  $P_{pk}$ , and  $C_{pm}$ , will be explained with examples. Spreadsheet macros /statistical software are also used for demonstration and analysis. Basic control chart knowledge is helpful.



## Who Should Attend?

Quality professionals (engineers / technicians / managers), manufacturing engineers, process engineers, project engineers, lab personnel, and others who might be interested in understanding the process and analysis of capability studies

## Outline

- > Quality Improvement & Deming
- > Purposes of conducting Process Capability Analysis
- > Types of Data
- > Variation (common vs. assignable)
- > Normal Distribution
- > In-Control vs. In-Specifications
- > Statistical Process Control
- > Capability: Process vs. Machine
- > When Capability Analysis can be conducted
- > Capability Indices ( $C_p$ ,  $C_{pk}$ ,  $P_p$ ,  $P_{pk}$ ,  $C_{pm}$ )
- > Predicting % out-of Spec.
- > Process capability vs. Six Sigma Levels

Contact us for a quote to bring this workshop on-site



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