

## Process Capability Analysis

### Benefits

In this **8-hour** workshop, participants will learn how to conduct capability analysis and interpret the results. The difference between machine and process capability will be explained with examples. All indices listed below will be explained. Spreadsheet Macros and a Statistical Software are also used for demonstration and analysis. Basic control chart knowledge is helpful

### Outline

- Quality Improvement & the Deming Philosophy
- Purposes of conducting Process Capability Analysis
- Process Elements
- Types of Data
- Variation
- Normal Distribution
- In-Control vs. In-Specifications
- Statistical Process Control
- Capability: Process vs. Machine
- When Capability Analysis can be conducted
- Capability Indices (Cp, Cpk, PP, PPk, CPM)
- Predicting % out-of Spec.

### 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.

**Please contact us to request this workshop onsite!**



SQPS, Ltd., PO Box 218132 Columbus, Ohio 43221  
Tel (614) 245-0503 Fax (614) 573-7238  
[www.shraimqps.com](http://www.shraimqps.com) [sqps@shraimqps.com](mailto:sqps@shraimqps.com)