



## Implementing Statistical Process Control (SPC)

This is a one-day intense look at the methods for implementing and applying the principles of statistical process control to manufacturing processes. The course will include activities that provide the participant with the tools necessary to establish an effective SPC system at their facility.

Length: 1 day

CEUs: .7

Prerequisites: *A working knowledge of ISO/TS 16949:2009, the FMEA process, familiarity with Microsoft Excel and a laptop loaded with Excel.*

### WHAT YOU WILL LEARN

- Linkage of SPC and the Measurement Studies with ISO/TS 16949:2009 requirements and the 4<sup>th</sup> edition FMEA and PPAP
- Applied activities that incorporate the use of the 4<sup>th</sup> Edition FMEA and PPAP
- Developing SPC tools based on defining customer requirements and acceptance of criteria
- Application of software to the calculation of Control Limits and incorporation of measurement studies process to the selected Process Controls

### PLEXUS LEARNING MODEL

Learning is maximized through participation. That is why Plexus training avoids lecture-based teaching and focuses on group activities, case studies and hands-on applications. *Learn by doing.*

### WHO SHOULD ATTEND

- Anyone involved in the implementation of ISO/TS 16949
- Individuals and cross functional teams interested in risk reduction and anyone who wants a better understanding of basic FMEA and risk management methodology
- Representatives from key functional groups involved in an organization's quality management system

### INSTRUCTORS

*Plexus Master Trainers.* Plexus Master Trainers train and evaluate:

- ISO 9001:2008, ISO/TS 16949:2009, AS9100, ISO 14001:2004 Environmental Management Systems, ISO 22000:2005 Food Safety, ISO 9001:2008 for Healthcare and ISO 13485:2003 for Medical Devices.
- Plexus trains 3<sup>rd</sup> party auditors and wrote the materials used to certify all of them
- Supplier Auditors