

# 2008 Quality Sourcebook

## SPC Software

Of all the quality control methodologies over the years, one practice that has endured is statistical process control. In the SPC Software Directory, you'll find a list of companies that provide SPC software to help with data gathering, statistical analysis, problem solving, design of experiments, real-time charting, root cause analysis, Pareto charts, hypothesis testing, and more. Further information, including company descriptions (if provided to us) can be found on our web site at [www.qualitydigest.com/directories](http://www.qualitydigest.com/directories).

### SPC Software Section

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*This directory of SPC software providers includes the company name, address, phone and fax numbers, and web address.*

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[www.mpcps.com](http://www.mpcps.com)

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### Glossary

**ANOVA**—analysis of variance

**Capability analysis**—studies the ability of a process to meet established requirements.

**Cause-and-effect diagram**—also known as a fishbone diagram or the Ishikawa diagram, in honor of Kaoru Ishikawa, who developed their use in the 1940s; used to explore the possible root causes of a problem

**DOE**—design of experiments

**Non-normal distributions**—capability of a software to handle non-normal distributions in order to calculate such measures as Cpk

**Operational characteristics curve**—also known as the OC curve; for a given sampling plan, a graph that displays the probability of accepting the lot as a function of the quality of the lot or process

**Pareto chart**—combination histogram/cumulative line chart that helps identify causes that have the greatest effect on a problem

**Regression analysis**—models the relationship between one or more independent variables and a dependent variable

**Scatter diagram**—X-Y chart that measures the relationship between two sets of variables

The information contained in *Quality Digest* directories, plus some additional information, is available online at [www.qualitydigest.com/directories](http://www.qualitydigest.com/directories)

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