

# Statistical Process Control

# TOOLS

A statistical process control app can automate much of your quality improvement efforts, but truly understanding how charts and other quality tools work will trend your product quality to new heights.

## SIX SPC TOOLS



### CONTROL CHARTS

This SPC staple is used to detect "special-cause variation" hidden from the view of operators.



### CAUSE-EFFECT DIAGRAMS

Use "fishbone" diagrams to brainstorm about process relationships with shop floor staff and other team members.



### FLOW CHARTS

A detailed visualization of the mfg. process itself, this chart alone can reveal the root of a problem.



### HISTOGRAMS

Histograms illustrate process capability, enabling you to accurately set customer expectations.



### PARETO CHARTS

A Pareto chart ranks product defects, enabling you to prioritize the most important problems first.



### SCATTER DIAGRAMS

Is a bottle product's diameter correlated to a machine's blow pressure? Scatter diagrams can answer questions like these.

For a more detailed tutorial from quality professionals on the six SPC tools described in this document, visit this free link.

<http://www.winspc.com/what-is-spc/spc-tools>