

Statistical Process Control eLearning | Introduction to SPC Concepts & Tools

Control Chart Operation - WXQS202-XX02XEN-E2

Objective 1: Describe the Function of a Control Chart and Explain Its Importance

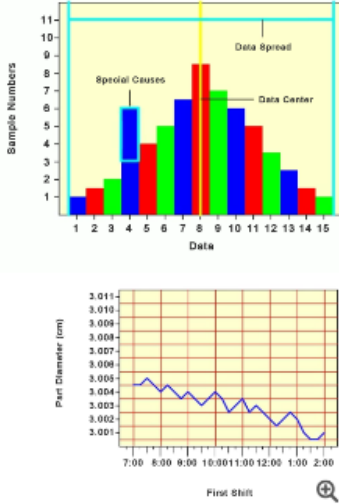
Control Chart Function

Histograms can tell you three things about your production data:

- Special Causes
- Data Center
- Data Spread

However, a histogram deals with past data. Often it is important to also predict future production trends.

To solve these problems, a tool called a control chart (sometimes called a run chart) is used to monitor the ongoing process.



AMATROL

Page 2 of 36

eLearning Course: MXQS202

Statistical Process Control eLearning introduces SPC concepts and practical tools to manage product and process variations. The course explains variation and how to record data about it. Learners gain an understanding of how to construct and apply histograms, normal curves, and control charts.

Teach Statistical Process Control

What is Statistical Process Control? Why is It Important?

One of the most important tasks of quality control is to make sure products meet their specifications. In the past, quality control inspectors rejected defective parts during a 100% inspection of the product. The development of mass production allowed a single factory to produce thousands of parts a day. A factory would have to hire and pay many skilled workers to inspect each of these parts, which can be expensive and time-consuming.

Simply throwing out parts with defects can also potentially cost the factory a lot of money. This is partially because doing so does nothing to prevent the defect from recurring. To save money, a factory needs to be able to determine if there is a trend in defects and to correct the process before producing defective parts. Statistical Process Control (SPC) is a method that replaces 100% inspection and solves both problems.

Interactive eLearning

Statistical Process Control eLearning Features Engaging Multimedia Curriculum

Amatrol's unmatched multimedia utilizes text, audio, and stunning 3D animations that engage learners in theoretical knowledge and concepts. This thorough, exceptionally detailed [curriculum](#) is built to begin with the basics and steadily advance to more complex concepts. Through partnerships with key industry leaders and leading edge educators, Amatrol developed the right balance of knowledge needed to train learners to work in

their chosen field.

Additional Info

Requires:

- Computer [\(see Computer Requirements\)](#)
-

Address

**Amatrol
2400 Centennial Blvd
Jeffersonville, IN 47130**

Contacts

**email: contact@amatrol.com
phone: (800) 264 8285**