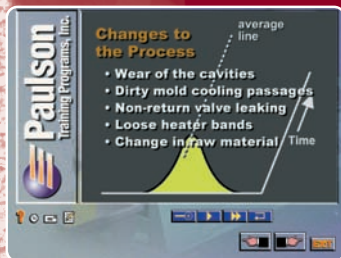
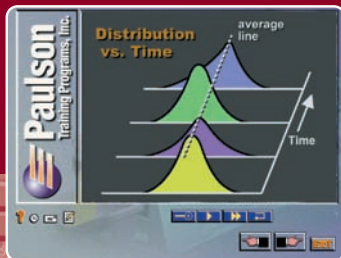
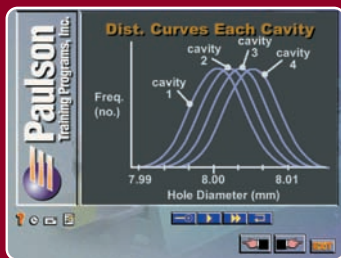


# Statistical Process Control



Train new and current production personnel in Statistical Process Control (SPC) procedures with a course designed specifically for plastics processing plants. If you presently use SPC in your plant, you need a training program to maintain employee SPC skills and train new hires in SPC requirements.

- ◆ Increase employee SPC skills
- ◆ Maintain correct SPC procedures
- ◆ Document employee SPC training
- ◆ Train new personnel in SPC requirements

Recommended For: Set-up Personnel, Foremen, Process Engineers, Production Supervisors, Molding Managers, Quality Assurance Personnel

Paulson's fully interactive training program applies SPC concepts and techniques specifically developed for plastics processors, presented in full motion video, text, audio and graphic animation.

## Statistical Process Control Lessons

### Lesson 1: **Measuring and Plotting Process Variations**

This session describes the application of Statistical Process Control methods to plastics processing. Lesson 1 is designed for operating personnel who must understand how SPC works. Part measurements are used to develop distribution curves and control charts. Explanations are provided for SPC terms including data collection, distributions, data plotting and setting control limits.

### Lesson 2: **Developing and Using Control Charts**

This session continues the application of SPC by showing how X-bar and R-charts are developed from part measurements. The technique for calculating upper and lower control limits is illustrated step-by-step. Control charts are analyzed, along with the rules for determining in-control and out-of-control situations. No advanced mathematical ability is required.

### Lesson 3: **Process Monitoring and Problem Solving**

This session explains  $C_p$  and  $C_{pk}$  ratios, which are valuable indicators of the capability of a process to conform to customer specifications. The Pareto method of problem evaluation and the Ishikawa method of problem analysis are described, to aid in identifying the causes of problems.

1

Lesson

2

Lesson

3

Lesson

Paulson's fully interactive training program applies SPC concepts and techniques specifically developed for plastics processors, presented in full motion video, text, audio and graphic animation.



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Paulson Training Programs, Inc.  
3 Inspiration Lane | PO Box 366 | Chester, CT 06412  
Phone: (860) 526-3099 | E-mail: info@paulsontraining.com | www.paulsontraining.com