

Extrusion Blow Molding Technology



Paulson's fully interactive training program explains the relationship between machine controls, plastic behavior and the extrusion blow molding process in full motion video, text, audio and graphic animation.

Train production personnel, supervisors and managers to understand the basics of blow molding technology, plastic behavior, and common problem solving situations. Prepare your blow molding personnel to:

- ◆ Develop a working knowledge of blow molding machinery
- ◆ Evaluate and improve operating procedures
- ◆ Recognize processing conditions that affect quality
- ◆ Analyze and solve practical blow molding problems

Recommended For: Machine Operators, Material Handlers
Set-up Personnel, Production Supervisors

This program teaches the fundamentals of extrusion blow molding technology, including all of the knowledge that your personnel must understand in order to make informed decisions on the production floor.

Extrusion Blow Molding Technology Lessons

1

Lesson

Lesson 1: *The Process and the Equipment*

Shows and describes the blow molding process and the types of blow molding machines, including general characteristics of dieheads and machine specifications.

2

Lesson

Lesson 2: *Plastic Behavior in the Blow Molding Process*

Explains the characteristics, types, structure, size and processing behavior of plastics and how finished part properties can be affected.

3

Lesson

Lesson 3: *Machine Operating Controls*

Provides six-step description of the blow molding process, explaining how machine controls and outside influences affect machine operation and plastic behavior.

4

Lesson

Lesson 4: *Start-up, Operation and Shutdown Procedures*

Explains how to set machine controls, determine optimum control settings and operate machines safely and efficiently. Helps managers, supervisors, and operating personnel to evaluate and improve operating procedures.

5

Lesson

Lesson 5: *Processing Conditions that Affect Quality and Productivity*

Describes blow molding process variations, their effects on finished part properties, common causes of process variations, control adjustments and plastic flow properties.

6

Lesson

Lesson 6: *Problems and Solutions – Part 1*

Provides analysis and solutions for practical processing problems, including parison swell variations, weld lines, doughnut formation, parison curl and curtaining.

7

Lesson

Lesson 7: *Problems and Solutions – Part 2*

Analyzes blow molding problems, including melt fracture, rings in the parison, sag, holes, pinch-off problems, thickness variations, parting line defects, venting problems, discoloration, streaks, and more.



PAULSON'S INTERACTIVE LEARNING SYSTEM

- ◆ **More Effective Training:** Get a 40% increase in knowledge retention and comprehension using interactive technology.
- ◆ **Scheduling Flexibility:** Training is available to all shifts, 24 hours a day without affecting production.
- ◆ **Automatic Record Keeping:** You can test and track employee progress automatically.
- ◆ **No Instructor Required:** Fully interactive format provides either a self-paced, one-on-one or classroom learning environment.



- ◆ **Reduced Training Costs:** Train on company time without loss of production. No dedicated instructor, no overtime and no overhead add up to large savings.
- ◆ **Increased Motivation:** Immediate feedback and personal involvement are key factors in training effectiveness.
- ◆ **Complete Curriculum:** The interactive library provides a complete career path curriculum for all employees.

To sign up for a
hands-on-I-T
system demonstration
in your plant,
call
1-800-826-1901.



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