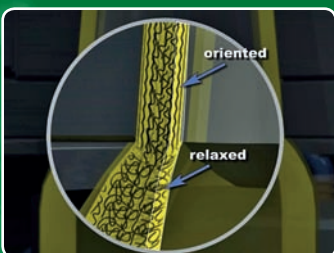
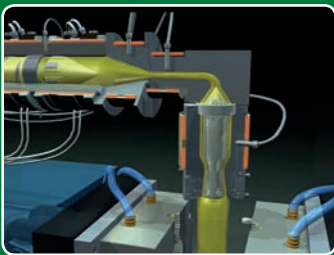


# Extrusion Blow Molding Technology



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.

Make extrusion blow molding a technology in your plant. Teach machine operators, material handlers, mold setters, repair personnel, technicians, supervisors and managers how to improve productivity and quality on the production floor.

- ◆ Learn the effect of each extruder, accumulator and die head adjustment on the plastic.
- ◆ Understand plastic behavior in the blow molding process.
- ◆ What are the effects of die head adjustments?
- ◆ Use knowledge to improve operating procedures.
- ◆ Analyze and solve part problems based on technology.

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

### The Process and the Equipment

Presents an overview of the extrusion blow molding process, the types of blow molding machines used, general characteristics of die heads, machine specifications and processing behavior of plastic.

2

Lesson

### Plastic Behavior

A scientific examination of plastic, including molecular structure, the effects of pressure, temperature, flow rate and cooling. Explains the characteristics, types, structure, size and processing behavior of plastics and how finished part properties can be affected.

3

Lesson

### Extrusion Blow Molding Operating Controls

Provides a description of the blow molding process, explaining machine operating controls and the effects of their adjustments on plastic behavior and the finished part. Outlines the interdependency of process control adjustments and how they affect the plastic and each other.

4

Lesson

### Operating Procedures - Start-Up, Operation & Shutdown

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

5

Lesson

### Part Quality and Problem Solving - Part I

Describes processing variations and problems and their effects on finished part properties. An explanation of flow law theory that describes plastic behavior in the die head. Includes examinations of parison swell variations, doughnut formation, parison curl and curtaining.

6

Lesson

### Part Quality and Problem Solving - Part II

A continued analysis of commonly encountered blow molding problems, including melt fracture, venting, horizontal rings, parison sag, holes, discoloration, streaking, and mold caused defects.

7

Lesson

### Parison Programming

An overview of the parison programming process, including an explanation of effects of control adjustments, master control points, determining the program set-up and explanations of time control and position control programming.



## 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  
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system demonstration  
in your plant,  
call  
**1-800-826-1901.**



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