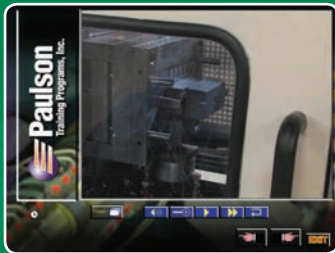


# Injection Molding Fundamentals



## Goals of this course

- ◆ Orient new employees to the injection molding production floor and process
- ◆ Teach the value of safety, quality and teamwork
- ◆ Show correct operating procedures
- ◆ Eliminate careless and unsafe procedures
- ◆ Quickly identify common part defects

## Recommended For:

All Personnel

**Injection Molding Fundamentals** is a new two lesson 3–4 hour training program that teaches your personnel the most important and fundamental aspects of the injection molding production floor and molding process. Using state-of-the-art 3D animations, participants get a firm understanding of the inside of the injection molding process. The course also uses actual in-plant scenes so that employees and prospective employees gain an understanding of typical production floor operations.

Safety around the injection molding production floor and machinery is emphasized throughout these lessons. The emphasis is on production efficiency, safety and teamwork. The course also extensively covers the fast and accurate identification of part defects.

Give all of your new employees a firm, common foundation from which to build their injection molding knowledge and give your current employees refresher training with Injection Molding Fundamentals.

## Injection Molding Fundamentals

1

### Lesson

#### Parts of the Molding Machine and Operator Responsibilities

This lesson starts with an overview of the injection molding process, machine part identification and standard operator responsibilities during the molding cycle, modes of operation of the machine and the important aspects of material handling. Emphasis is given to operating safety, protection of molds from damage, and proper plastic part handling.

2

### Lesson

#### Lesson 2: Identifying Part Defects and Safety

This lesson presents visual and animated 3D examples of all of the most common injection molded part defects such as short shots, flash, warp, surface defects and color changes. It also discusses secondary operations such as regrinding, trimming flash and de-gating plastic parts from runners.

Fully Interactive

Digital Video

3-D Animation



## 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.

Paulson's fully interactive training program explains the relationship between machine controls, plastic behavior and molded part properties in full motion video, text, audio and graphic animation.

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



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