

Plastic Drying Technology

Train production personnel, supervisors and managers in the importance and methods of drying plastic raw material.

- ◆ Exercise greater control over the molding process
- ◆ Reduce rejects and scrap
- ◆ Improve quality



Recommended For: Material Handlers, Set-Up Personnel, Foremen, Process Engineers, Production Supervisors, Molding Managers, QA Personnel

Many of today's engineering grade resins and other moisture-sensitive materials must be properly dried prior to processing. Absorbed and surface moisture must be removed to avoid molded part splay and plastic degradation. Plastic drying is one of the most misunderstood technologies on the molding floor! This program explains how it's done, how to check dryer operation and how to troubleshoot problems with two easy-to-understand interactive training lessons.

Plastic Drying Technology Lessons

1

Lesson

Lesson 1: Principles of Drying

This lesson establishes the background and basics of drying, from the effects of moisture on molded parts to the theories of dryer operation. Defined terms include hygroscopic, relative humidity, dewpoint, weight percent, vapor pressure differential, closed loop and open loop.

2

Lesson

Lesson 2: Dryer Operation, Control and Maintenance

This lesson deals with the functional characteristics of three common drying approaches: hot air, desiccant and refrigerant dehumidifying systems. The purpose of this instruction is to help personnel set up, operate and maintain their drying equipment to avoid production problems caused by incomplete moisture removal.

Paulson's fully interactive training program explains plastic drying technology in full motion video, text, audio and graphic 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.

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system demonstration
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Paulson Training Programs, Inc.
15 N. Main Street, PO Box 366, Chester, CT 06412
Phone: (860) 526-3099 e-mail: sales@paulson-training.com www.paulson-training.com