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Seminars For Engineers Presents in Association with Dealy's Mold Engineering Inc.

Fundamentals of Injection Mold Design

A Two Day Technical Seminar

www.SeminarsForEngineers.com/molds

About the Seminar:

This comprehensive two day technical seminar was developed to provide engineers and other technical personnel a state-of-the-art guide to designing and building injection molds. Critical areas addressed include the molding cycle, mold classifications, the cavity and core, runner and runnerless molding systems, plastic part analysis, mold materials and cost factors. Though some theory is included, emphasis is placed on best practice and selecting the proper technologies for your mold. This popular and informative course has been attended by more than 1000 students.

Who Should Attend:

Anyone working with the mold design and building process can benefit from this highly instructional course. This includes product design and process engineers, manufacturing, QA/QC, plastics and tooling engineers, as well as sales/service, purchasing, maintenance and management personnel.

Benefits of attending:

- Learn the various types of molds and design concepts that best fit your products
- Master the terminology and mold classifications used in the mold industry
- Understand how to select the best mold materials, finishes, plating and coatings
- Acquire techniques for balancing the mold and controlling temperature
- Troubleshoot and analyze failure and identify practical solutions
- Learn the factors that determine mold making and part costs

Course concepts:

- The Molding Cycle – Mold Classifications
- Nomenclature and Function of Mold Components
- Mold Details – Design Steps – the Cavity and Core
- Runner Systems – Conventional – Runnerless – Gate Types
- Temperature Control – Vents – Ejector Systems – Interlocks
- Mold Actions and Undercuts – Unscrewing Molds
- Shrinkage of Plastics and Rates – Plastic Part Analysis

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