

Seminars For Engineers Presents:

Web Coating and Drying

A Two Day Technical Seminar

www.SeminarsForEngineers.com/coating

About the seminar:

Web Coating & Drying is designed to further skills in selection and application of equipment for improving manufacturing processes and assuring efficient production of coated papers, films and other web substrates. Two major topics are featured: coating of webs by various means and, the drying or curing of these substrates. All major coating processes used today are discussed along with their benefits for use in specific manufacturing applications, while considering the raw materials used to produce finished product. All major forms of convective and radiant methods of heat transfer for drying and/or curing are presented. Though theory is included, emphasis is placed on practical problem solving techniques for the plant engineer. This popular and informative course has been attended by hundreds of students.

Who should attend:

Anyone working with web machinery can benefit from this unique course. This includes product/process designers, process engineers, QA, sales/service, maintenance and lead operators. Those converters involved in the manufacture of release liners, pressure sensitive tapes and labels, presentation media and graphics arts films and papers, photo-based and resist films, and specialty and premium coated papers and laminates will find this course useful as to how to best coat, cure, handle and convey their base web materials from an unwind through the coater and dryer to the winder. The course is vital to manufacturers and converters of web products and also extremely useful for machine builders, component suppliers and material suppliers.

Benefits of attending:

- Identify which coating method is best for your application
- Learn how to match equipment needs to process requirements
- Learn how to properly select and specify new equipment
- Improve runnability, production and efficiency of existing systems
- Understand common coating defects and how to prevent them
- Learn the physical properties of coatings and substrates
- Analyze the critical components of web coating and learn how to control them
- Learn when and how a small scale coating line can be profitable
- Know when you have reached diminishing returns on investments
- Identify personnel requirements for high speed coating lines

Course concepts:

- High speed coating: application and quality problems and their solutions
- Upgrading older coating lines: limits and traps
- New technologies and state-of-the-art coating lines
- Advantages and disadvantages of slot die vs reverse roll vs multi-roll vs gravure coating
- Forward roll coaters, reverse roll coaters, gravure coaters, post metering coaters
- Knife coaters / blade coaters / die coaters
- Laminating
- Drying process control, flotation drying, infrared dryers
- Remoisturization and curl control
- Dryer sizing