

On-line Coating Weight Measurement

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Abstract:

The demand for increased functionality and higher quality in multi-layer films and coated web products is rising, resulting in more complex and costly structures. Layers and coatings are getting thinner, production runs are shorter and line speeds are increasing. To meet this demand and remain competitive requires an efficient process able to run quality product, within specification, from the start to finish of a run. This can not be accomplished with periodic lab sampling, since a defect caught in the lab may be hours old! Add requirements for proof of compliance, the ability to conduct effective product development, and real time process troubleshooting and an on-line gauging system becomes a tool in this effort.

The purpose of this session is to discuss the applicable on-line gauging sensor technologies and coating measurement techniques.