Thermoforming is a plastic process that begins with a sheet of plastic and ends with formed commercial parts. Along the way the sheet is heated to the plastic forming temperature and placed in a single-sided mold. Air is evacuated between the sheet and the mold either with vacuum or a combination of vacuum and external air pressure. When the sheet is sufficiently cooled, it is removed to a trim fixture where the part is removed from the plastic sheet around it. For thin sheet, the non-product plastic is recovered, reground and reprocessed into more sheet. This seminar begins with how thermoforming works and advances through why thermoforming works. A thorough understanding of the entire process should help attendees understand new polymers, new mold concepts and new advances in thermoforming technology so that they can deal with customers’ new product demands and handle troubleshooting issues with aplomb.

**Program Content**

- What is Thermoforming?
- Sheet Extrusion Concepts
- What is Thermoforming Technically?
- Thermoformed Products : Thin-gauge & Thick-gauge
- Thermoforming Machine - Typical Elements
- Observations and Tests for Incoming Sheet
- Polymer thermoforming characteristics
- Sheet Heating Concepts
- Mechanical Properties during heating/forming
- Regrind issues
- Thick Gauge Machine Concepts
- Thin Gauge Machine Concepts
- Sheet Heating
- Molds for Thermoforming - Types and Design
- Part Design
- Trimming
- Production Measurement and Control

**Registration Fee/ Person**

1,200 US$/Person
The registration fee includes documentation, lunch and refreshments

**Group Discount:** If 3 or more delegates join from the same organization, 10% discount will be offered on total registration fee

**Program Schedule:** 8.30am to 4.30pm

**Venue & Accommodation**

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