



Due to requests by prior workshop attendees, the first morning session will concentrate on “Thermoforming 101”

Morning Session: Mark Strachan

Fundamentals of Thin Gage Thermoforming

- In-line vs offline extrusion
- Feeding the sheet
- Heating the Sheet
- Forming the Sheet
- Trimming the Part
- Offline Operations
- Final Part handling

Afternoon Session: Mark Strachan and special guest presenter Matt Banach (PTI)

Advanced Thin Gage Thermoforming Techniques

The advanced session will consist of a case study – Part design to Production

- Machinery and Tooling Considerations-
 - Cavity Layouts,
 - Clamp Ring Sizing,
 - Trim in place or Post trim
 - Venting
- The Plastic Sheet
 - Additives important facts to know when using Mineral fill, Impact Modifiers, Colorant, Clarifiers and more
 - Sheet Gage and sheet Width Calculations
 - Draw ratios and final part thickness determination
- Plug assists
 - Materials
 - Design
- Advanced feature considerations
 - Coining the part
 - Vacuum Bleed
 - Air savings
- Mold Cooling Requirements
- Trimming the part considerations
 - Trim In place
 - Form / Trim/ Stack
 - Post Trim
- Intelligent molding systems
- Troubleshooting techniques