**Day 1**• The thermoforming forming process, including clamping, heating, sheet level control, pre-stretch, thermoforming, plug assist, cooling and release.
• Thermoforming mould tool and design, inc: Male and Female moulds, Baseboards and mounting, Mould making materials, Draught angles and tapers, Venting, Shrinkage and mould release, Ejection techniques, Under-cuts, Splits, multi-Impression and plug assist design, Mould Cooling Techniques.
• Practical Session

**Day 2**
• Product Design, including Components and applications, wall sections and profiles, webbing and thinning, chill marking, definition, reinforcing, finishing and trimming.
• Troubleshooting, including Blistering, scorching, sticking, poor definition, webbing, warping, chill marking, thinning, tearing, sagging, contamination and static.
• Thermoforming materials, including Material Characteristics, ABS, PMMA, PETG, HIPS, PC, PP, PE and PVC are covered.
• Multi-layer materials and feedstocks, inline processes.
• Practical Session
• Discussion/ Q&A Session
The centre is also equipped with a Formech 300XQ thermoforming machine, which will be used for the practical element of the course