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Introductory Thermoforming (Vacuum assisted forming)

Aim of the Programme

This programme is aimed at employees who undertake an operator/trainee setter role with the addition of some monitoring and basic fault correction. It will give the attendee a solid understanding of the fundamentals associated with the thermoforming process and will allow them to build upon this solid grounding in the future

Objectives of the Programme

- Work in a safe manner in relation to the machine
- Understand the design differences of different manufactures of machines
- Explain the interaction of ancillary equipment and its relationship to the process
- Explain basic quality procedures and work to quality specifications
- Understand the make up and differences in Polymer compounds
- Understand the process problems caused by variable sheet quality
- Understand the product faults caused by variable sheet quality
- Explain the common components within a typical forming tool
- Understand why plugs are used and the problems they can cause
- Understand preparation and operation of a trim press
- Understand the different types of stacking/collecting equipment
- Set up a forming line to a given standard
- Start up and shut down a forming line whilst applying best practice within the industry

Attendees

This programme is ideal for:

- Anyone who wishes to get a good understanding of the process
- Setter/Operators
- Trainee Setters

Programme Timetable

Guide Course Schedule (May change dependent upon customers needs)

Day 1

Introduction
Prior Knowledge assessment
Key principles of Thermoforming
Machine configurations
Safety around Processing
Operator/Machine Interaction

Day 2

Sheet feed systems
Ovens/heaters
Forming tools and plugs
Polymer Compounds
Processing
Practical

Day 3

Downstream equipment
Practical

Day 4

Quality Principles, first off/last off and Measuring
Practical
Final Assessment

At the beginning and end of each day a review of subject matter and a questions and answers session will take place to ensure that all subject matter has been fully embedded.