



DAIRY PROCESSING OPERATORS TRAINING - SPRAY DRYING

OVERVIEW

The course is targeted at plant operators in milk powder, casein and membrane filtration plants. The aim is to give operators an understanding of the process they control. It includes a summary of the individual parts of the process and its function.

Duration: 1 Day

OBJECTIVES

This course is intended to give all Dairy Processing Personnel:

- Basic understanding of the theory of the individual parts of the Spray drying process.
- Understanding of the practical aspects of the individual parts of the Spray drying process.

WHO SHOULD ATTEND?

Operators, Frontline managers, Trainee technical managers, Maintenance workers/managers



SUMMARY CONTENT

- Principles of Spray Drying
- Concentrate feed
- Homogeniser
- Atomisation
- Primary drying – chamber
- Secondary drying – fluid beds
- Principles of Two Stage Drying
- Drying Air Supply System
- Air-powder separation
- Bag Filters
- Fines return
- Powder conveying
- Agglomeration
- Lecithination
- Drier Control Systems
- Interlocks

TRAINING METHODS

The course is tutor led with use of PowerPoint presentations, flipcharts and on the plants visits where practical. The exact content can be tailor made to reflect the details of a plant that is familiar to the participants.