




## 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.