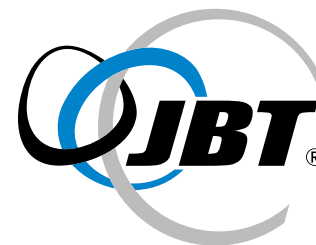
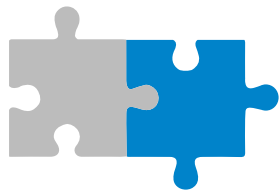


Come see how the pieces fit together!



Aseptic Processing and Packaging Technologies Course

April 25-27, 2023 | Madera, CA

The course will be held at the JBT Madera, CA Process Technologies Laboratory.

Contact:

Karen Brown (559) 661-3345 | Karen.Brown@jbtc.com or

Cristin Williams (559) 661-3286 | CristinD.Williams@jbtc.com for more information.

Introduction to Continuous-Flow Aseptic Thermal Processing Technologies

- A. Classification of Shelf-Stable Foods
- B. Definition of Terms
- C. Processing Options for Shelf-Stable Foods
- D. Continuous-Flow Processes—Heating Profiles, Direct/Indirect Heating
- E. Basic Concepts in Thermal Process Calculations

Aseptic Thermal Process Design and Calculations

- A. Calculations for Homogeneous Products with AseptiCAL®
- B. Filling a UHT Process
- C. Concepts/Strategy for Aseptic Particulate Process Design
- D. Calculations for Particulate-Containing Products with AseptiCAL®
- E. Filling a Particulate UHT Process

Introduction to Aseptic Filling Technologies

- A. Review of Concepts
- B. Definition of Terms
- C. Configurations of Sterile Product Pathway to Filler
- D. Overview of Aseptic Filler Types
- E. Sterilants and Sterilization Technologies (Equipment and Packaging Material)
- F. Effect of Sterilization Processes on Microorganisms

Aseptic Standards: Regulatory, Validation, and Verification

- A. Review of Concepts
- B. U.S. Regulatory Agencies and Standards/Other Standards/Requirement for Validation
- C. Validation/Change Management/Verification
- D. What Needs to be Addressed/What to Validate
- E. Targets/Control Measures/Performance Criteria/Critical Factors
- F. Microbiological Validations-Methods, Types
- G. Other Types of Validations

Microbiology of Aseptic Systems

- A. Review of Thermal Processes
- B. Spoilage of Aseptic Products
- C. Why Does Aseptic Fail?
- D. Microbiological Testing as Verification Tool
- E. Process Deviations and Microbiology
- F. Trouble Shooting/Spoilage Investigations

Location:

JBT
Process Technologies Laboratory
2300 Industrial Avenue
Madera, CA 93637

Dates:

April 25-27, 2023

Course Instructors:

Dr. Paul Gerhardt

Course Tuition:

\$1,500 per student. Register before March 1st 2023 and receive a \$200 reduction.
Lunches, refreshments and course materials provided.

Registration:

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Karen.Brown@jbtc.com
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CristinD.Williams@jbtc.com