



Course Programme

- **Day 1:
Optimization of Tableting**
 - Morning Session
 - **Introductory System Overview**
 - **Functional Principle of Tableting**
 - Filling Device
 - Dosing Station
 - Compression Station
 - **Compression Layouts FE Series**
 - Afternoon Session
 - **Product-Specific Issues**
 - Weight Variation
 - Hardness Issues
 - Sticking & Picking
 - **Practical Hands-on Session**
 - Tableting Equipment Visit
 - Operational Demonstration
 - Problem Solving and Process Optimization on-the-go with Audience Participation
- **Day 2:
Continuous Manufacturing meets ePAT**
 - Morning Session
 - **FE CPS - Continuous Processing System**
 - General Information
 - System Overview
 - Functional Principle - ARS, Feeder Unit, Blend Conveyor
 - **Equipment Demonstration**
 - Optimization of Feeding
 - Adjusting Powder Behavior
 - Afternoon Session
 - **ePAT - Process Analytical Technology**
 - System Overview
 - Basics of ePAT
 - Blend and Tableting Uniformity (BU & TU)
 - Functional Principles - Measuring Head, Spectrometer
 - **Practical Hands-on Session**
 - Showcasing of BU and TU Probes
 - In-line Measurements
 - Discussion of Collected Spectra

Information

-  Time and Date: TBA
-  Place: **Fette Compacting Belgium BV**
Schaliënhoeverdreef 1B, 2800 Mechelen, Belgium
-  Contact: Mark.Gontsarik@UGent.be

Course Description

This training module, in collaboration with **Fette Compacting**, provides a comprehensive journey through the principles and practical aspects of modern tableting, with a strong focus on optimizing performance and addressing product-specific issues.

The first day is all about the tablet press, covering the fundamentals of tableting, laying the groundwork for a deeper understanding of the process, as well as product-specific challenges and how they can be effectively identified and resolved through process optimization and practical solutions.

On the second day, the focus shifts to Continuous Manufacturing and Process Analytical Technology (ePAT), introducing the functional principles and key components involved in each process.

Both days include hands-on sessions, where participants will have the opportunity to observe the system, gaining practical understanding of how continuous processes and real-time analytics work together to ensure consistent product quality.

Target Audience

This training is designed for professionals and students from the pharmaceutical, healthcare, and nutrition sectors.

No prior knowledge is required – making it ideal for anyone with an interest in tableting, continuous manufacturing, and ePAT.