

Program

Tuesday, 24 April 2012

GRANULATION

- 08:30 *Transfer from hotel to TTC*
- 08:45 *LogIN*
- 09:00 Introduction **Klaus Eichler**
- 09:10 From powder to tablet – product handling considerations **Bastian Heinecke**
- 10:00 Roll compaction / dry granulation **Michael Herting**
- 10:45 *Coffee break*
- 11:15 Comparison of fluid bed and high shear granulation **Hans Leuenberger**
- 12:15 *Lunch*
- 13:15 Hardware considerations – factory tour
- 14:00 Case study: Production of pharmaceutical agglomerates for tableting **Bertram Wolf**
- 14:45 Continuous high shear granulation **Gabrie Meesters**
- 15:30 *Coffee break*
- 16:00 Compression of film-coated pellets – Key parameters for optimal tablet quality **Frederic Gerber**
- 17:00 *Return to hotel*
- 19:30 *Workshop dinner*

Wednesday, 25 April 2012

TABLETTING

- 08:40 *Transfer to TTC*
- 09:00 Control of high shear granulation processes **Mike Cliff**
- 09:45 Principles of tableting **Tim Klingenhof**
- 10:30 *Coffee break*
- 11:15 ESH - Compaction Simulation **Gregory Thoorens**
- 12:00 Compression theory **Stane Srčić**
- 12:45 *Lunch*
- 13:30 Capsule to tablet formulations **Ian Robertson**
- 14:15 Process demonstrations: Fluid bed granulation / drying High shear granulation Tableting **Detlef Ortlieb**
Petra Risse
Tim Klingenhof
- 17:15 *Return to hotel*
- 19:30 *Workshop dinner*

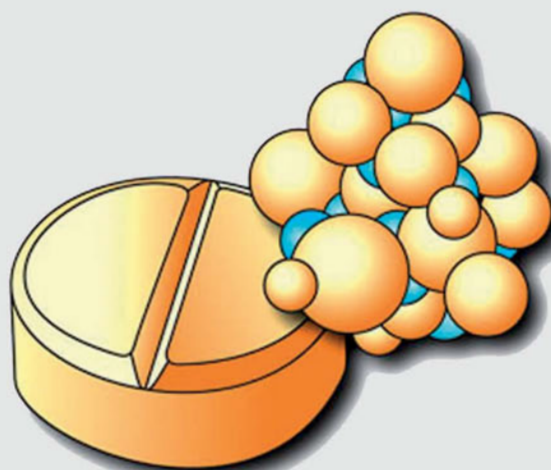
Thursday, 26 April 2012

GENERAL TOPICS

- 08:40 *Check-out and transfer to TTC*
- 09:00 Outlook: Recent trends in oral dosage formulations **Renata Jachowicz**
- 09:45 WIP/CIP cleaning of granulation Equipment **Lilia Deck**
- 10:30 *Coffee break*
- 11:00 GMP conform cleaning procedures **Jochen Berger**
- 12:00 The most common excipients for granulation & tableting **Dirk Schmalz**
- 12:45 *Light lunch / LogOUT*
- 13:30 *Transfer to Basel German train station (Badischer Bahnhof) and airport.*

Workshop no. 175

Granulation & Tableting



Binzen, 24 - 26 April 2012

Background

With growing international competition, many companies have to re-engineer their business to reach the target of improving yield, efficiency, market share and (if possible) profit.

On the other hand, universities and high schools are not equipped sufficiently to provide sound practical education. Our aim is to fill the existing gap, having decades of experiences in building and using production equipment.

What makes us different from other institutions offering specialized training:

THE UNIQUE HANDS-ON APPROACH

Who should attend

Operators and researchers from the pharmaceutical and other powder processing industries where compliance to GMP standards, accuracy and reproducibility is imperatively required.

Speakers

Jochen Berger

Ecolab AG, Switzerland

Dr. Mike Cliff

Consultant Engineering Technologist, United Kingdom

Lilia Deck

Glatt GmbH, Germany

Dr. Frederic Gerber

Glatt Pharmaceutical Services, Germany

Bastian Heinecke

Glatt Systemtechnik GmbH, Germany

Dr. Michael Herting

BASF SE, Germany

Prof. Dr. Renata Jachowicz

Jagiellonian University, Poland

Tim Klingenhof

Fette GmbH, Germany

Prof. Dr. Hans Leuenberger

IFIIP, Switzerland

Dr. Gabriele Meesters

DSM Food Specialties, The Netherlands

Ian Robertson

Colorcon Ltd., United Kingdom

Dr. Dirk Schmalz

HARKE Pharma GmbH, Germany

Prof. Dr. Stane Srčič

University of Ljubljana, Slovenia

Gregory Thoorens

FMC BioPolymer, Belgium

Bertram Wolf

Glatt Ingenieurtechnik GmbH, Germany

Moderation

Klaus Eichler

Technology Training Center, Binzen, Germany

Details

- The participation fee is € 1.630,- (exclusive of VAT). This fee includes participation, accompanying course notes, daytime catering and dinner. Any other expenses are to be borne by the attendee.
- Free attendance granted to a limited number of students.
- Participation is limited. Registrations will be confirmed on a first come first serve basis.
- Courses taking place in Germany are subject to Value Added Tax (VAT).
- Each participant will receive a certificate of attendance at the end of the course.

Organisation

TTC (Technology Training Center)

Klaus Eichler / Bianca Nowak / Saskia Nitsche
Werner-Glatt-Straße 1, 79589 Binzen, Germany

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For further information or online-registration please visit

www.ttc-binzen.de

Place of venue

Technology Training Center

Binzen, Germany

Registration TTC 175

Granulation & Tableting

24 - 26 April 2012

First name _____

Last name _____

Company _____

Dept. _____

Function _____

Street _____

City _____

Zip Code _____

Country _____

Phone _____

Fax _____

Email _____

- Accommodation required - we will make the hotel reservation for you.

Check-in-day _____

Check-out-day _____ = _____ Nights

Approx. Euro 95,00 / Night incl. breakfast

 **Click here to register online**