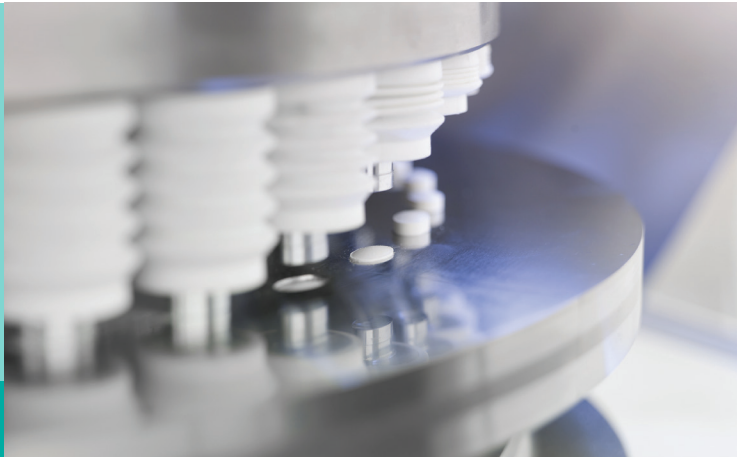


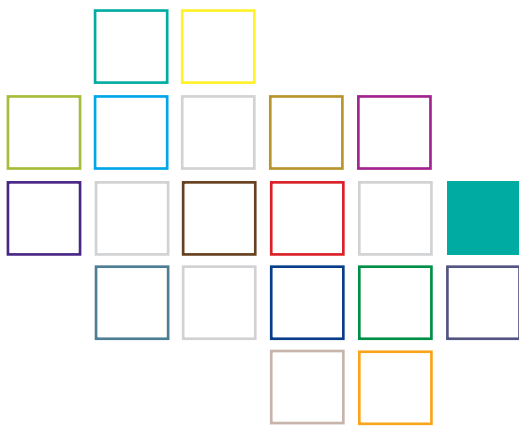
## 3<sup>rd</sup> APV Expert Workshop Tableting

- Comparison of tablet presses for production based on different formulations
- Hands-on experiences
- Sound knowledge transfer by well-known speakers



24 -25 September 2024  
Dortmund, Germany

Course no. 7002



## Pharmaceutical Manufacturing

In cooperation with and kindly supported by



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## A seminar organised by the focus group Solid Dosage Forms

### Objectives

Tablets are the most important and most common form of medicine worldwide. In the past few years scientific knowledge has emerged, especially in the field of tablets, which allows us to turn from the „art of tableting“ to a knowledge-based development and production of tablets. On this basis the participants will be offered the basics of formulation development and the production of tablets.

In small groups the internship is conducted under the supervision of experienced instructors on various production presses. Each participant will actively participate in trials for the production of tablets and various methods for their characterization. On the basis of selected examples, typical approaches and solutions are shown, which are subsequently discussed in detail. Modelling approaches for different production presses will be presented.

At the end of the course, the participants should have basic knowledge about the solution of tableting tasks. The focus is on the natural sciences and engineering aspects of tableting. Regulatory aspects, such as cleaning or validation are not dealt with.

Dedicated lectures dealing with:

- Formulations
- Mechanical properties
- Compression and compaction theory
- Process induced transformations
- Excipients
- Data acquisition
- Compaction simulators
- Predictability of tablet properties
- Technical concepts of tablet presses

### Committee

- Peter Kleinebudde  
Emeritus professor, Heinrich Heine University  
Düsseldorf
- Markus Thommes  
Technical University Dortmund

### Programme

Tuesday, 24 September 2024

9:00-18:30 h

#### Welcome and house keeping

Markus Thommes, Technical University Dortmund, Germany

Peter Kleinebudde, Emeritus professor, Heinrich Heine University Düsseldorf, Germany

#### Description and prediction of powder compaction properties

Göran Alderborn, University of Uppsala, Sweden

#### Characterisation of powder behaviour during compression (Pharmeuropa 35.1)

Pierre Tchoreloff, University of Bordeaux, France

#### Practical course 1:

100 % Starch ColdSwell 1111A, KMC Deutschland

#### Powder Compression Models – A Critical Review

Arno Kwade, TU Braunschweig, Germany

#### Predictive models and advanced measurement methods of tablet disintegration

Frantisek Stepanek, University of Chemistry and Technology, Prague

#### How permeability and packing fraction improve tablet manufacturing

Hassoun Ishak, GRANUTOOLS

#### Bi-layer compression - a cakewalk or passing fancy?!

Damir Zecevic, AbbVie, Ludwigshafen, Germany

#### Practical course 2:

93.0 % Pearlitol 160C, Roquette, 5.0 % Vivapur 102, JRS Pharma, 2.0 % Ligamed MF2V, Peter Greven

### Networking dinner

### Practical course

In the practical workshop three different formulations based on starch, mannitol and lactose with throughputs of 35,000 to 150,000 tablets per hour are pressed on all different rotary presses with the same punch set-up.

## Programme

Wednesday, 25 September 2024

8:00-16:00 h

### Practical course 3:

99.5 % Granulac 200, Meggle, 0.5 % Ligamed MF2V, Peter Greven

### Scale Up of tablet presses

Jan Henrik Finke, TU Braunschweig, Germany

### Introduction in continuous tableting

Ossi Korhonen, University of Eastern Finland, Finland

### Short presentations of machine suppliers

- Challenges of Hardness testing  
Tobias Tielke, SOTAX AG
- More tablets, less time: increasing productivity with Romaco Kilian  
Marcus Gallmann, Romaco Kilian
- Feeders in Tableting – a black box?  
Thomas Brinz, Syntegon

### Short presentations of excipient suppliers

- Beyond MCC – High-Functionality Excipients for Continuous Manufacturing  
Gernot Warnke, JRS PHARMA GmbH & Co. KG
- The Whole World of Lactose - Excipients for Oral Applications  
Karin Hellauer, MEGGLE GmbH & Co. KG
- KMC ColdSwell high performance starches  
Angelika Rehbach, KMC Deutschland Ingredients GmbH
- Elevate tableting potential with an innovative DC mannitol  
Steve AMOUSSOU-GUENOU, Roquette Frères

### Challenges in modern pharmaceutical tableting

Kendal Pitt, De Montfort University, United Kingdom

### Evaluation of practical course

Peter Kleinebudde, Emeritus professor, Heinrich Heine University Düsseldorf, Germany

## Further information on the conference

We kindly ask participants to book the rooms as soon as possible themselves.

prizeotel Dortmund-City  
Hövelstraße 8  
44137 Dortmund  
Phone +49 421 2222 100  
E-Mail hello@prizeotel.com

Special single room rate from: 71,00 €

Available until 23 July 20224.

Rooms can be booked with code "Promotional Code: APV" direktly at the hotel by phone or by e-mail as well as on their homepage <https://www.radissonhotels.com/en-us/> using "Promotional Code: APV".

If you have any further question please do not hesitate to contact the APV headquarter:



Martin Bornhöft  
Managing Director  
phone +49 61 31 97 69 30  
mail mb@apv-mainz.de

*Programme subjected to be changed.*

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## Location

Lab-Course:  
Technische Universität Dortmund  
Emil-Figge-Str. 68  
44227 Dortmund

Lectures:  
Tagungscenter Campus-Treff  
Vogelpothsweg 120  
44227 Dortmund

## Date

Course No. 7002  
from 24 September 2024 09:00 h  
to 25 September 2024 16:00 h

## Registration fee

Early bird until 31 July 2024  
Industry 1790 EUR  
Authority/University 895 EUR  
Students 250 EUR  
(free of VAT according to § 4,22 UStG)

Rate from 01 August 2024  
Industry 1890 EUR  
Authority/University 945 EUR  
Students 290 EUR  
(free of VAT according to § 4,22 UStG)

Coffee breaks, luncheon, dinner and electronic proceedings included.

\* Limited places for full time students available; written evidence must be submitted.

## Registration

APV-Geschäftsstelle  
Kurfürstenstraße 59  
55118 Mainz/Germany  
Phone: 0049 6131 97 69 0  
E-mail: [apv@apv-mainz.de](mailto:apv@apv-mainz.de)  
Web: [www.apv-mainz.de](http://www.apv-mainz.de)

You will receive a confirmation of your registration with the invoice.

## Hotelreservation

prizeotel Dortmund-City  
Hövelstraße 8  
44137 Dortmund  
Phone +49 421 2222 100  
E-Mail [hello@prizeotel.com](mailto:hello@prizeotel.com)

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71,00 €  
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Rooms can be booked with code  
"APV" directly at the hotel.  
Reservation only possible on  
their homepage [https://www.  
radissonhotels.com/en-us/](https://www.radissonhotels.com/en-us/)  
using Promotional Code: „APV”.

## 3<sup>rd</sup> APV Expert Workshop Tableting, 24 - 25 September 2024, Dortmund, Germany, Course no.: 7002

### Registration

As soon as you have found a seminar of your interest, it is very easy to register for it via e-mail or online. We will process your registration promptly and certainly are available for any questions that may arise.

### Registration confirmation

After your registration was successfully processed, you will receive a confirmation.

### Before the event

A few days before the event starts, you will receive important information about the seminar, such as time, date, addresses etc.

### After the event

You will receive a certificate confirming your participation. Furthermore, we would like to ask you to fill-in our evaluation sheet to make sure we get better every time.

### Follow-up

After the event, we are open to receive any suggestions and critique that might arise during the seminar and will certainly help you with further questions you may have.

## Declaration of consent in respect of data protection

☐ By registering for this seminar, I agree that the APV uses my data for the purpose of processing the order and provides me with all relevant information.

☐ I also agree that APV may contact me for the purpose of exchanging similar information by email or post.

Your data will not be shared with third parties. You have a right of withdrawal at any time without giving reasons.

All other information can be found in our privacy policy  
([www.apv-mainz.de/en/imprint/data-protection-statement/](http://www.apv-mainz.de/en/imprint/data-protection-statement/)).

Title, first name, last name \*

Company name \*

Street/no. or P.O. box \*

Location

Zip-code and city \*

Phone

E-mail-address participant \*

Order no. and/or billing address

☐ Pay via invoice

☐ pay via credit card (Visa, MasterCard, Amex)

(You will receive further payment information with the invoice)

Date \*

Signature \*

\* Mandatory

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Verfahrenstechnik e.V.  
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International Association for Pharmaceutical Technology

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