

FINE POWDER PROCESSING

*Energy Efficiency &
Process Optimization*



Course Information

Duration of the course: 2 days

Number of participants: approx. 10

Location of the event: Conference hotel &
NETZSCH Trockenmahltechnik GmbH
in 63457 Hanau, Germany

Course fee includes

- 2 overnight stays with breakfast
- Catering during the event
- Lunch / dinner
- Seminar documents

Seminar Fee

including hotel costs: 1,250 € + VAT

Our special Service for you

We also offer inhouse seminars according to
your specifications.
If you are interested, please do not hesitate to
contact us.

Seminar Dates

Seminar in German language
03.-04.03.2027

Seminar in English language
17.-18.11.2027

Seminar Registration

To register, please use the registration form
on our website at www.grinding.netzsch.com
or scan the following QR code:



Organization

Mr. Dr. Stefan Jung will be happy to advise you
on all questions relating to organization

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SEMINAR FINE POWDER PROCESSING | Energy Efficiency and Process Optimization

Contents

The aim of this seminar is to provide participants with information concerning the theoretical background in the areas of dry-grinding and air classifying as well as the measuring, presentation and interpretation of results. At the same time, the influence of material properties and operating parameters will be discussed. After this, there will be a presentation of the various processes with a particular focus on energy efficiency and optimization. During this, we will also touch on the subject of scaling up from laboratory- to production scale. The influencing factors mentioned will be demonstrated using practical tests.

Target Group

Engineers and employees with a scientific background from the following areas:

- Production
- Process technology
- Laboratory
- Research & Development

Program 1st Day – Conference hotel

- 08.30 Welcome
 - Distribution of seminar documents
 - Presentation of the NETZSCH Group
- 09.00 Basic principles of classifying
 - Model and determining factors
 - Material characteristics and degree of influence
- 10.00 Break
- 10.15 Basic principles of size-reduction technology
 - Material characteristics and determining factors
- 11.00 Grinding and classifying machines
 - Overview and classification
- 11.45 Particle separation using filters and cyclones
- 12.30 Lunch
- 13.30 Measuring, presentation and interpretation of results
 - Basic principles of particle measuring technology – laser diffraction (a contribution by Malvern Panalytical GmbH)
 - Particle measuring technology in practice: Preparation of samples, sources of errors, presentation and interpretation of results
- 14.45 Break
- 15.00 Basic principles of size-reduction technology
 - Rotor impact mills & Scale up
 - Jet milling & Scale up
- 17.00 End of Day 1 / Evening program

Program 2nd Day – NETZSCH & Conference hotel

- 08.00 Pick up at the hotel
- 08.30 Factory tour
NETZSCH Trockenmahltechnik GmbH
- 09.00 Practical part in the NETZSCH Technikum
- 11.15 Transfer to the hotel
- 11.45 Measuring, presentation and interpretation of results
 - Electron microscope
- 12.30 Lunch
- 13.30 Fiber processing – Highest fineness with
 - Fine cutting mill *SECOMY*®
 - Fine cutting mill with integrated classifier *SECOMY*® S
- 14.15 New technologies and future prospects
- 15.15 Questions, discussion
- 15.30 End of the seminar

