

Course information

Duration of the course: 2 days

Attendance: approx. 10

Course charge contains:

- 2 overnight stays
- Lunch / Dinner
- Seminar documents

Fee: EUR 1000.00 + VAT

Registration

Please use the enclosed application form to register.

For more information please do not hesitate to contact us:

Tel.: +49 9287 797 213

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Organization

Mrs. Feig-Kirschneck will advise you in all questions.

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<http://www.netzsch.com>

Our special service for you

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

Location



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Application Seminar

March 17 to 18, 2010
September 22 to 23, 2010

- Operation and Process Control of Agitator Bead Mills -

With the main focus on the transition from
laboratory scale to the production



our technology
YOUR SUCCESS

Application Seminar

- Operation and Process Control of Agitator Bead Mills -

With the main focus on the transition from laboratory scale to the production

Content

Application seminar with the goal to impart the theoretical background and the function of agitator bead mills.

The influence of important operating parameters on the grinding process is discussed and different procedures are shown.

The explained influences are demonstrated by means of practical tests on the laboratory mill *LABSTAR* as well as on a production size machine. Afterwards we speak about the topics characterization of particle sizes and stabilization of suspensions (dispersing of finest particles down to the nanometer range).

Target group

User of agitator bead mills in the fields

- Production
- Process technology
- Laboratory
- Research & Development

Program

1st Day

- 08.15 Pick up at the hotel
- 08.30 Welcome and distribution of the seminar documents
Presentation of NETZSCH
- 08.50 Principle of agitator bead mills
 - Definition of terms
 - Survey mixing technology
- 10.15 Break
- 10.45 Process technology
 - Specific energy
 - Stress energy
 - Stress number
 - Influence of operating parameters, grinding media
- 12.30 Lunch
- 13.30 Process technology
 - Residence time distribution
 - Modes of operation of agitator bead mills
- 14.15 Practical training
 - Pre-discussion of the tests
 - Test set up
- 14.45 Practical training
 - Tests I + II on the *LABSTAR*
 - Determination of the quality
- 15.45 Break
- 16.00 Practical training
 - Evaluation of the tests I + II
 - Discussion on the results

16.15 Survey of NETZSCH grinding systems

17.00 Return to the hotel

19.00 Evening program

2nd Day

- 08.30 Practical training
 - Tests III + IV on the *LABSTAR*
 - Determination of the quality
- 09.30 Practical training
 - Evaluation of the tests III + IV
 - Discussion on the results
- 9.45 Survey of the production plant
- 10.30 Break
- 10.45 Process technology
 - Basic principles of stabilization
 - Characterization of particle sizes
 - Analysis and definition of the task
 - Difference between real comminution / dispersion
 - Mild dispersing
- 12.30 Lunch
- 13.30 Scale-up of agitator bead mills
- 14.15 Conclusion and discussion
- 14.45 Review and leave-taking
- 15.00 End of the seminar