

## Course information

Duration of the course: 2 days  
Attendance: approx. 10

Course charge contains:

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

Fee: EUR 1,000.00 + VAT

## Organization

Mrs. Tannert-Koch will advise you in all questions.

### Kontakt

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## 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.

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## Registration

- Yes, I want to take part in the service seminar "Optimization of Agitator Bead Mills in Operation" at a price of EUR 1,000.00 + VAT.

Date:

- 28. - 29.11.2018

- No, I cannot take part at the date mentioned above but would like to be informed about further dates.

Please enter the following data:

Company: \_\_\_\_\_

Address: \_\_\_\_\_

First and last name: \_\_\_\_\_

Tel.: \_\_\_\_\_

E-mail: \_\_\_\_\_

Place, Date \_\_\_\_\_ Signature \_\_\_\_\_

Kindly return your filled-in registration form by Fax to +49 9287 797 149 or register online at [www.netzsch.com/seminar](http://www.netzsch.com/seminar)



# Service Seminar

Optimization of Agitator Bead Mills in Operation

# Service Seminar

## Optimization of Agitator Bead Mills in Operation

**NETZSCH**

### Contents

The goal of the two-day seminar is to teach participants how to optimize the agitator bead mill mechanically and to improve the overall process. The seminar will demonstrate how to lower both the operating costs and the likelihood of malfunction and show how the productivity of grinding systems can be increased through optimization and monitoring of essential operating parameters.

On the first day, the design and operation of agitator bead mills will be explained. A guide to preparing the unit for operation along with recommendations for service work complete the day. The effect of operating parameters on the grinding result (quality, capacity) will be explained on the second day. A practical demonstration and tips about operation will conclude the seminar.

### Target group

Persons in charge of production plant, process technology and service.

We would like to invite you to a Welcome Dinner at 7:00 pm on the evening before the seminar begins.

On the first day of the seminar, we will pick you up from the hotel at 8:00 am. The seminar will start at 8:30 am at NETZSCH-Feinmahltechnik GmbH. We will provide all of the seminar materials along with detailed information regarding the program. We look forward to winding down the first day of the seminar with you with some good food and a relaxed atmosphere. Of course, snacks and lunch will be provided during the seminar.

### Program | 1<sup>st</sup> Day

- 08.00 Pick up at the hotel
- 08.30 Welcome and distribution of the seminar documents, presentation of NETZSCH
- 08.50 Survey of NETZSCH grinding systems
- 09.15 Factory tour
- 10.00 Stations I and II
- 12.30 Lunch
- 13.30 Stations I and II
- 16.00 Discussion about mechanical optimization
- 16.30 Return to hotel
- 19.00 Evening program

### Program | 2<sup>nd</sup> Day

- 08.30 Introduction to process optimization
- 09.00 Operating parameters
  - Process methods
  - Operational procedure
- Pre-dispersing
- 10.45 Coffee break
- 11.00 Stations III and IV
- 12.30 Lunch
- 13.30 Stations III and IV
- 15.00 Problem solving - Final discussion
- 16.00 End of the seminar, leave-taking

### Stations

- STATION I**
  - Drive
    - Options
    - Service
    - Failures: reasons, clearance
  - Bearing
    - Construction
    - Service
  - Grinding chambers
    - Options
    - Cooling
    - Wear
- STATION II**
  - Mechanical seal
    - Sealing pressure system / Buffer fluids
    - Design
    - Pressure, temperatures
  - Maintenance
    - Service times
    - Error analysis - case example
  - Safety
    - Performance, pressure, temperature
    - Automatic operation
    - Error analysis - case example
- STATION III**
  - LMZ 10 circulation operation
    - Mill preparation, start of the grinding process
    - Filling level, idling power characteristics
    - De-aeration, machine parameters
    - Emptying and cleaning
- STATION IV**
  - Wear
    - Definition
    - Causes / Wear patterns
  - Maintenance concepts / Spare parts
    - Proactive maintenance and stock-keeping
    - Documentation