

Service training: three-roll mills.

Grinding & Dispersing Customer Service



Wet grinding and dispersing processes are used in many different applications. Through the continuous exchange of ideas with industry-related scientific and research communities, Bühler is able to provide innovative processes and training that allow you to produce products with top quality and high efficiency.

Our specialists provide your personnel with targeted and practical training at our technology and education center or at one of our global test centers. We also offer on-site training for larger groups on request.

Process technology and maintenance of three-roll mills: SDY, SDX, SDW, SDV, Trias™

Course AD: Process technology, 2-day course

Target areas: Production, development, quality control

Day 1: Basics dispersing theory roller mills

Day 2: Practical exercises on roller mills

Course KD: Training on a specific machine, 2-day course

Special application technological training –
Technology Center Uzwil, Switzerland – using
a three-roll mill according to your request.

Course BD: Maintenance, 2-day course

Target areas: Maintenance

Day 1: Mechanics and control of roller mills

Day 2: Replacement of wear parts

Course expenses/per course:

1500 €/course including one overnight stay per training day and meals. Courses AD and BD may be combined during the same week.

Course content

Course AD: Process technology

Day 1: Process technology roller mills

- General physical and theoretical basics dispersing on roller mills
- Difference between standard and Viva™-mills
- Set-up and difference between standard series SDn vs Trias™
- Influence of temperature and cooling
- Influence of hopper side plates and knives

- Safety – roller mills
- Display, operation and control system

Day 2: Practical exercises on roller mills

- Documentation of data processing
- Dispersing preparation
- Practical application of previous day theory

Course BD: Maintenance

Day 1: Mechanics and control of roller mills

- Mechanical set-up of roller mills
- Overview of various control models: Comfort- and Premium-package; functions, operation, instrumentation
- Data logging software: WinTrend, interface to superordinated systems
- PLC and operator panel: error detection
- Upload/download, backups
- Cabinet: error detection, parameters, frequency inverter
- Installation, wiring, inspections
- Practical exercises

Day 2: Assembly and disassembly of wear and tear parts

- Error detection and explanation of machine safety systems
- Wear and tear assessment/residual service life assessment based on process data and operation hours
- Performance of maintenance work and preventive servicing
- Replacement of wear parts
- Repairs to mechanical sub-assemblies; modular design allows replacement and repairs of individual segments
- Practical exercises

Course KD: Training using a specific machine

Day 1 and 2: Training on your specific machine type

- Technical machine design of specific machine
- Control and service
- Safety devices
- Optimization possibilities
- Effects of various process parameter, e.g. temperature, speed, gap
- Optimization of process parameters
- Practical application at the machine, if requested with your special product

If you have any questions regarding this offering or about our services, please send an e-mail to:
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Hotline

The direct line to our experts

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