

PROFESSIONAL TRAINING COURSES

FOR OPTIMAL HANDLING OF YOUR PFISTER WEIGHFEEDERS



**FLSMIDTH
CEMENT**

WHY PFISTER TRAINING COURSES?



***Experienced trainers
teach you optimal
handling of your dosing
equipment***

Our wealth of experience as the manufacturer of your equipment enables us to share with you unique insight and information. Our training experts are your global resource for knowledge. They assist you in the application of the best industry practices.

Everybody likes machines which operate perfectly. Just think about the cost savings. If you handle your dosing equipment correctly you will not only improve your equipment's performance but save maintenance costs, too.

We show you how to do this.

WE KEEP YOUR KNOWLEDGE **UP-TO-DATE.**

YOUR FEEDER SPECIALISTS – THE BASIS TO YOUR **SUCCESS**



Well trained electrical and mechanical staff as well as feeder- and maintenance-responsible specialists are essential to ensure optimal operation, utilisation and durability of your equipment.

FLSmidth Cement - Pfister Training Courses are designed to provide plant staff with the knowledge they need to secure optimal performance and equipment availability.

The training aims to improve the participants' skills and knowledge by developing their awareness of applied procedures concerning the operation and

***Get to know all
about your weighing
equipment***

maintenance of equipment. Subjects are chosen and sequenced to meet the staff's recognised requirements.

FLSmidth Cement - Pfister's Training Courses present subjects of fundamental interest to plant staff in the areas of mechanical and electrical maintenance

MOTIVATE YOUR EMPLOYEES TO GIVE THEIR **BEST.**

YOUR STAFF CAN HELP YOU **SAVE MONEY!**



***Learn how to
handle your Pfister
equipment correctly***

Our background

- More than one century experience in design, manufacturing and servicing
- Direct, internal access to latest research and development
- ISO 9001:2008 certified quality
- ATEX certified (European Regulations of Explosion Protection)
- One of the international market leaders in industrial weighing technologies

FLSmidth Pfister Training Courses

- Tailor-made training and documentation
- All courses are designed to provide your plant staff with knowledge about operation and maintenance to ensure optimal equipment availability
- Experienced Pfister trainers
- Broad range of training options from freshen-up courses to expert training sessions

WELL TRAINED EMPLOYEES GUARANTEE LESS **MAINTENANCE COSTS.**

YOUR BENEFITS



- Consolidation and refreshment of existing maintenance skills
- Correct reactions to control system messages
- Improved problem-solving capabilities
- Better understanding of servicing procedures
- Intelligent spare part management
- Motivated employees and enhanced employee responsibility levels
- Continuous qualification program for your employees

FLSmidth Pfister experts show you all details you need to know about your equipment



AS THE MANUFACTURER OF YOUR EQUIPMENT, WE KNOW BEST HOW TO SERVICE IT.

CHOOSE THE PERFECT TRAINING COURSES FOR YOU!

Here is the training program we offer for electric and mechanic maintenance personnel, plant electricians, plant fitters as well as all feeder responsible specialists:

PFISTER® MECHANICS COMPACT ALL YOU NEED TO KNOW Course number IT24-001

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> Wear rating Dis-/assembling Adjustments Mechanical spare part recommendations 	Understand the Pfister mechanical components and learn how to use Pfister documentation to perform basic work.	None	<ul style="list-style-type: none"> 1 days x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> Plant fitter; Mechanical maintenance

PFISTER® ELECTRONICS COMPACT ALL YOU NEED TO KNOW Course number IT24-002

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> Calibration Trouble shooting Emergency spare part recommendations 	Understand the Pfister electrical components and learn how to use Pfister documentation to perform basic work.	No requirements.	<ul style="list-style-type: none"> 1 day x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> Plant electricians electrical maintenance personnel

PFISTER® EXPERT SYSTEM TRAINING ELECTRONICS LEGACY CSC Course number IT24-003

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> CSC detailed parameter handling and knowledge Modification of PLC and VAR sequences CAN modules and CAN configuration History monitor evaluation Online datalog, trigger monitor 	Expect knowledge, handling, calibration and maintenance are covered for your Pfister® feeders	Pfister® Basic System Training	<ul style="list-style-type: none"> 3 days x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> feeder-responsible specialists personnel

PFISTER® EXPERT SYSTEM TRAINING ELECTRONICS FDC Course number IT24-004

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> FDC detailed parameter handling and knowledge Event log evolution Online datalog, trigger monitor FPI handling and knowledge FLP handling and knowledge Parameter backup and restore 	Expect knowledge, handling, calibration and maintenance covered for your Pfister® feeders	Pfister® Basic System Training	<ul style="list-style-type: none"> 3 days x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> Feeder-responsible specialists personnel

PFISTER® BASIC SYSTEM TRAINING Course number IT24-005

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> Function principles Trouble shooting and calibration Interpretation of events and messages Maintenance intervals, wear ratings Mechanical tips & tricks Exchange feeder controller/VFC up-download procedure Intelligent spare part management 	Advanced knowledge: handling, calibration and maintenance for your Pfister® feeder models	No requirements.	<ul style="list-style-type: none"> 4 days x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> Electrical and mechanical maintenance

CHOOSE THE PERFECT TRAINING COURSES FOR YOU!

Here is the training program we offer for electric and mechanic maintenance personnel, plant electricians, plant fitters as well as all feeder responsible specialists:

PFISTER® REFRESHER TRAINING Course number IT24-006

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> Function principles, trouble shooting, interpretation of events and messages Maintenance intervals, mechanical tips & tricks Exchange feeder controller/VFC up-download procedure 	Recap of advanced knowledge, handling, calibration and maintenance are covered for your Pfister® feeders	Pfister® Basic System Training	<ul style="list-style-type: none"> 2 days x 7 hours per day Minimum number of participants: 4 	English, German	<ul style="list-style-type: none"> Feeder-responsible specialists personnel

PFISTER® ONSITE TRAINING Course number OS24-001

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
<ul style="list-style-type: none"> Function principles Troubleshooting Interpretation of events and messages Maintenance intervals Mechanical tips & tricks Exchange feeder controller/VFC up-download procedure Intelligent spare part management 	We bring the learning to you and have one of our specialists go over your own Pfister® feeders in exactly the level of details you require.	none	<ul style="list-style-type: none"> Recommended: 3-4 days x 8 hours per day 	English, German	<ul style="list-style-type: none"> Electrical and mechanical maintenance personnel Plant electricians and fitters personnel

PFISTER® OPERATION & MAINTENANCE F-CONTROL Course number US24-014

TOPICS COVERED	BENEFITS	PREREQUISITE	DURATION	LANGUAGE	PARTICIPANTS
Operations and Controls: <ul style="list-style-type: none"> Function principles of rotor weighfeeders Introduction to the different Pfister® controller types Explanation of the functions of the Feeder Dosing Controller (FDC), Feeder Local Panel (FLP) and Feeder Process Interface (FPI) Different methods to access the controller Calibration of the rotor weighfeeder using FLP and Feeder Service Interface (FSI) Message and error indication and troubleshooting Parameter backup and restoring parameters Integrating FDC to FLSmidth ECS control system Equipment documentation handling and understanding Maintenance: <ul style="list-style-type: none"> Introduction to the different Pfister® rotor weighfeeder models Review main components and function Wear parts and wear analysis Disassembly of rotor and replacement Maintenance requirements, short and long term Running/walk-by inspection criteria Stop inspection criteria How to measure and set correct gap adjustment Lubrication requirements and replacement AutoGAP installation and function. Mechanical troubleshooting Spare parts management 	<ul style="list-style-type: none"> Set and maintain the rotor weighfeeder in optimal condition Enhance system reliability and availability Reduce maintenance costs Improve problem solving capabilities Drive correct reactions to control messages 	None	<ul style="list-style-type: none"> Online: 4 days x 4 hours each day 	English	<ul style="list-style-type: none"> Control systems engineers, Electrical maintenance engineers, Electrical technicians, Maintenance engineers, Maintenance technicians, Maintenance supervisors

GENERAL INFORMATION & CONDITIONS

Location

FLSmidth Cement - Pfister's production/training facilities in Presezzo/Italy is where the training takes place. We are located approximately 50 km from Milan and 95km from Milan Malpensa International Airport. We advise you to arrive the day before the start of the course, and to stay until the day after the course has finished if you travel overseas. We will be happy to assist you in arranging hotel accommodation.

Training Materials

Customised training materials are based on the technical documentation specific to your plant. These include flow sheets, Pfister's instructions and user manuals. In addition, Pfister's own training material, group work and hands-on instruction, audio-visual aids or computer-based training modules will also be used when needed.

Application and fees

Contact Pfister Service Department to book an individual course or receive a quotation. You can also apply on our website www.flsmidth-cement.com/institute/training

FLSmidth Cement - Professional Service - Feeding & Dosing
Pfister GmbH, Am Mittleren Moos 53
86165 Augsburg, Germany
Phone +49 (0)821 7949-0
service@flsmidthpfister.com

Dates and group size

The dates of the training sessions are mutually agreed upon. In order to design an effective training course, we recommend a maximum of 5 participants.

Fees cover

- Registration and tuition
- Training materials
- Use of training facilities and equipment
- Instruction in English or German by experienced Pfister specialists
- Refreshments and snacks (European style)
- Training Certificate

Training is normally held from 9 am - 16 pm Monday to Friday (lunch from 12 - 13 pm). Travel costs, board, local transport and lodging for the participants are not included in our price. For Training Courses not held in Presezzo/Italy: Please contact us for a special quotation.

Accommodation

For your stay in Presezzo/Italy we recommend the following hotels:

- **Hotel Borgo Brianteo** (ca. 5min by car to Pfister's training facilities) Via Armando Diaz, 25/A
 24036 Ponte San Pietro (BG), ITALY
 Phone. +39 338 2361493
info@hotelborgobrianteo.com
www.hotelborgobrianteo.it
- **HOTEL EXCELSIOR SAN MARCO** (Bergamo city center, ca. 30min by car to Pfister's training facilities)
 Piazzale Repubblica, 6 24122 Bergamo, ITZALY
 Phone +39 035 366 111, FAX +39 035 223 201
info@hotelsanmarco.com
www.hotelsanmarco.com/en/

Note: Prices vary with season.