

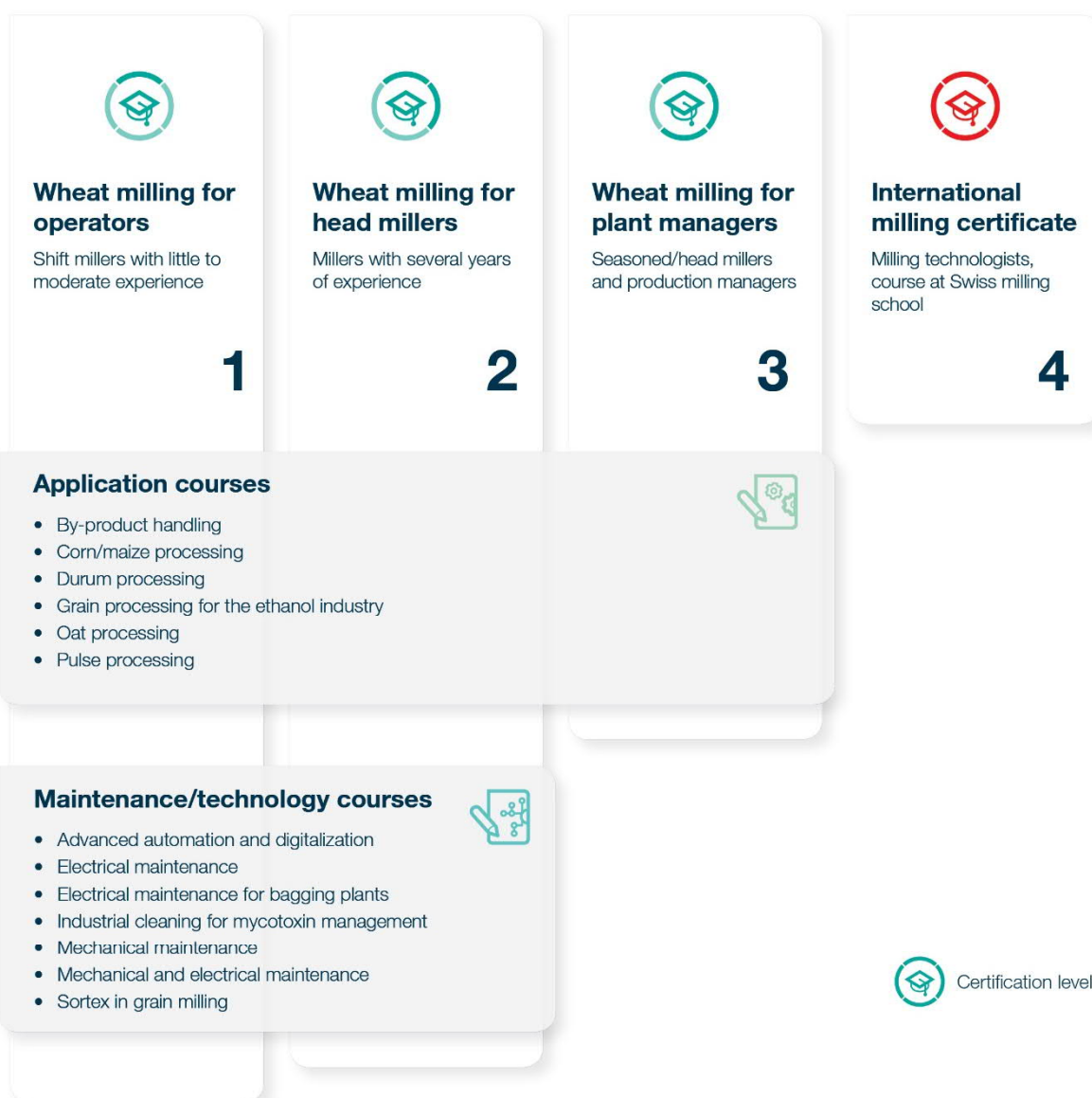
## Milling Academy

### Courses and costs 2022

## Contents

1	Development path of the Milling Academy .....	3
2	Certification levels <i>D</i> .....	4
	Wheat milling for operators (level 1) .....	5
	Wheat milling for head millers (level 2) .....	5
	Wheat milling for plant managers (level 3).....	5
3	Application courses <i>F</i> .....	6
	By-product handling .....	6
	Corn/maize processing .....	6
	Durum processing.....	7
	Grain processing for the ethanol industry .....	7
	Oat processing.....	7
4	Maintenance/technology courses <i>E</i> .....	8
	Advanced automation & digitalization .....	9
	Electrical maintenance .....	9
	Electrical maintenance for bagging plants .....	9
	Industrial grain cleaning for mycotoxin management .....	9
	Mechanical and electrical maintenance .....	10
	Mechanical maintenance .....	10
	Sortex in grain milling.....	10
5	Additional courses <i>B</i> .....	11
	Flour sales for experts.....	11
	Fluting .....	11
	From wheat to bread.....	12
	Laboratory .....	12
	Milling for executives.....	12
6	Courses at other locations or partner institutes <i>A</i> .....	13
	Milling for executives at Bühler Wuxi, China .....	13
	Milling for experts at KSU, USA.....	13
	Flowsheet technology at KSU, USA .....	14
	Milling for executives at KSU, USA.....	14
7	Prices <i>C</i> .....	15
	Standard courses.....	15
	Custom certification level 3 / additional courses (with less than 5 participants).....	15
	Custom application courses / technology courses (with less than 5 participants) .....	15
	Custom application courses / technology courses (with less than 5 participants) .....	15
8	Application form <i>G</i> .....	17
	General Terms and Conditions for training services on Bühler sites .....	18

# 1 Development path of the Milling Academy



## Additional courses

- Flour sales for experts
- Fluting
- From wheat to bread
- Laboratory
- Milling for executives

## Custom trainings

Custom course program for courses in Uzwil or on site. Contact us for a proposal.

## Our partner institutes

[Kansas State University](#)  
[African Milling School](#)  
[Bühler Milling School Wuxi](#)  
[Bühler Food Application Center USA](#)



## 2 Certification levels<sup>1</sup>

Wheat milling for operators (level 1)	DE	21.02. – 25.02.2022
	EN	25.04. – 06.05.2022
		29.08. – 09.09.2022
	ES	03.10. – 14.10.2022
	FR	21.03. – 01.04.2022
		26.09. – 07.10.2022
	IT	On request
Wheat milling for head millers (level 2)	EN	09.05. – 20.05.2022
		27.06. – 08.07.2022
		12.09. – 23.09.2022
	FR	04.04. – 08.04.2022
	IT	03.10. – 07.10.2022
	PT	17.10. – 28.10.2022
	JPN	11.07. – 22.07.2022
Wheat milling for plant managers (level 3)	DE	14.02. – 18.02.2022
	EN	07.02. – 11.02.2022
		14.11. – 18.11.2022
	ES	On request
	FR	On request

<sup>1</sup> Course dates without guarantee. For changes or cancellations, please visit our website at [buhlergroup.com/academy](https://buhlergroup.com/academy).

### Wheat milling for operators (level 1)

- Duration** 2 weeks / 1 week for German language
- Language** Deutsch, English, español, français, italiano
- Topics** Basic process knowledge, machine design, plant operation
- Target group** 1<sup>st</sup> leg of milling technology
- Requirements** Little to moderate working experience in a flour mill

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### Wheat milling for head millers (level 2)

- Duration** 2 weeks
- Language** English, français, italiano, にほんご
- Topics** Advanced process technology, advanced flowsheet technology
- Target group** Shift millers, head millers, mill managers with several years of experience
- Requirements** Good working experience, theoretical knowledge (level 1)

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### Wheat milling for plant managers (level 3)

- Duration** 1 week
- Language** Deutsch, English, français
- Topics** In-depth flowsheet discussions and analysis of milling systems, optimized break handling, ideal purifier settings, starch damage
- Target group** Head millers, production managers, seasoned millers
- Requirements** Solid theoretical milling knowledge required (level 1 + 2), several years of practical experience

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### 3 Application courses<sup>2</sup>

By-product handling	EN	05.12. – 09.12.2022
Corn/maize processing	EN	07.02. – 11.02.2022
	ES	04.04. – 08.04.2022
Durum processing	DE	On request
	EN	12.12. – 16.12.2022
	FR	On request
	IT	On request
Grain processing for the ethanol industry	EN	On request
Oat processing	DE	10.10. – 14.10.2022
	EN	04.04. – 08.04.2022
	EN	08.08. – 12.08.2022

#### By-product handling

- Duration** 3 days
- Language** English
- Topics** Addresses the recovery and reutilization of cereal processing byproducts, e.g. wheat bran, emphasis on machines and process technology, flowsheets, practical exercises, key applications in food and feed
- Target group** Plant and production managers, head millers, active operating staff, professionals with commercial or technical background in grain or feed milling related industries
- Requirements** Moderate working experience in the grain processing or feed milling industry

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#### Corn/maize processing

- Duration** 1 week
- Language** English, español
- Topics** Machines and process application, degermination, flowsheets
- Target group** Shift millers, head millers, mill managers
- Requirements** Moderate working experience in a corn mill

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<sup>2</sup> Course dates without guarantee. For changes or cancellations, please visit our website at [buhlergroup.com/academy](https://buhlergroup.com/academy).

### Durum processing

<b>Duration</b>	1 week
<b>Language</b>	Deutsch, English, français, italiano
<b>Topics</b>	Process technology, flowsheet technology, practical exercises
<b>Target group</b>	Shift millers, head millers, mill managers
<b>Requirements</b>	Good working experience in a durum mill

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### Grain processing for the ethanol industry

<b>Duration</b>	1 week (on request)
<b>Language</b>	English
<b>Topics</b>	Ethanol machines knowledge and process technology
<b>Target group</b>	Operators, technologists, and maintenance personal
<b>Requirements</b>	Basic technical knowledge

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### Oat processing

<b>Duration</b>	1 week
<b>Language</b>	Deutsch, English
<b>Topics</b>	Machines and process application, dehulling, kilning etc. flowsheet technology
<b>Target group</b>	Shift millers, head millers, mill managers
<b>Requirements</b>	Moderate working experience in an oat mill

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#### 4 Maintenance/technology courses<sup>3</sup>

Advanced automation & digitalization	DE	On request
	EN	07.03. – 11.03.2022
		29.08. – 02.09.2022
Electrical maintenance	EN	31.01. – 04.02.2022
		13.06. – 17.06.2022
		21.11. – 25.11.2022
	ES	On request
Electrical maintenance for bagging plants	EN	On request
Industrial grain cleaning for mycotoxin management	EN	On request
Mechanical and electrical maintenance	DE	28.02. – 04.03.2022
		19.09. – 23.09.2022
	ES	On request
	FR	21.02. – 25.02.2022
Mechanical maintenance	EN	24.01. – 28.01.2022
		20.06. – 24.06.2022
		14.11. – 18.11.2022
	IT	On request
Sortex in grain milling	DE	30.05. – 03.06.2022
		24.10. – 28.10.2022
	EN	24.01. – 28.01.2022
		22.08. – 26.08.2022

<sup>3</sup> Course dates without guarantee. For changes or cancellations, please visit our website at [buhlergroup.com/academy](https://buhlergroup.com/academy).



### Advanced automation & digitalization

- Duration** 1 week
- Language** Deutsch, English
- Topics** Modern automation systems, PLC / PC systems, trouble shooting, maintenance, new digital solutions, Internet of Things, Industry 4.0
- Target group** Service engineers, electrical maintenance manager, head millers and production managers with close involvement in production, product optimization and quality management
- Requirements** Solid working experience in a flour mill, basic process knowledge, good electrical knowledge, PC/PLC basic knowledge

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### Electrical maintenance

- Duration** 1 week
- Language** English, español
- Topics** Electrical components, control units, calibration, fault finding
- Target group** Electrical maintenance staff
- Requirements** Electrical basic knowledge, technical skills

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### Electrical maintenance for bagging plants

- Duration** 1 week (on request)
- Language** English
- Topics** Components of a bagging system, electronic scale training etc.
- Target group** Electrical maintenance staff
- Requirements** Electrical basic knowledge, technical skills

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### Industrial grain cleaning for mycotoxin management

- Duration** 3 days
- Language** English
- Topics** Detection, analysis, and reduction of mycotoxins on industrial scale in the cereal industry – theory and practical approach
- Target group** Production managers with close involvement in quality management, quality management personnel, laboratory personnel
- Requirements** Solid working experience in the grain processing industry

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### Mechanical and electrical maintenance

- Duration** 1 week
- Language** Deutsch, español, français
- Topics** Basic mechanical and electrical maintenance organization, roll and bearings changes, electrical fault finding and general machine maintenance
- Target group** Mechanical and electrical maintenance staff
- Requirements** Basic mechanical and electrical knowledge and technical skills

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### Mechanical maintenance

- Duration** 1 week
- Language** Deutsch, English, español, italiano
- Topics** Maintenance organization, roll change, bearing change, general machine maintenance
- Target group** Mechanical maintenance staff
- Requirements** Basic mechanical knowledge, technical skills

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### Sortex in grain milling

- Duration** 1 week
- Language** Deutsch, English
- Topics** In-depth know-how of Sortex and its applications in grain milling
- Target group** Seasoned shift millers and head millers with close involvement in production, product optimization and quality management
- Requirements** Moderate to solid working experience in a flour mill

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## 5 Additional courses<sup>4</sup>

Flour sales for experts	EN	03.10. – 07.10.2022
Fluting	EN	On request
From wheat to bread	DE	19.09. – 23.09.2022
	EN	07.11. – 11.11.2022
Laboratory	EN	On request
Milling for executives	DE	13.06. – 17.06.2022
	EN	24.01. – 28.01.2022
		25.04. – 29.04.2022
		08.08. – 12.08.2022
		05.12. – 09.12.2022
	ES	21.03. – 25.03.2022
		28.11. – 02.12.2022
	FR	17.10. – 21.10.2022

### Flour sales for experts

- Duration** 1 week
- Language** English
- Topics** Milling process technology, flour, dough and bread analytics, bread making process, bread improvers
- Target group** Flour sales experts, production managers, mill owners
- Requirements** Moderate technological knowledge necessary

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### Fluting

- Location** On site
- Duration** 1 week (on request)
- Language** English
- Topics** Fluting and grinding, handling tools and machines
- Target group** Fluting machine operators
- Requirements** Basic mechanical knowledge, technical skills

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<sup>4</sup> Course dates without guarantee. For changes or cancellations, please visit our website at [buhlergroup.com/academy](https://buhlergroup.com/academy).

## From wheat to bread

- Duration** 1 week
- Language** Deutsch, English
- Topics** Course with strong focus on practical work covering the whole chain from wheat intake to the finished baked goods
- Target group** Head millers, production managers, seasoned millers
- Requirements** Solid theoretical milling knowledge required (milling school, advanced milling courses), several years of practical experience

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## Laboratory

- Duration** 1 week (on request)
- Language** English
- Topics** Basic knowledge laboratory analysis and interpretation
- Target group** Laboratory personnel
- Requirements** Little to moderate laboratory knowledge necessary

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## Milling for executives

- Duration** 1 week
- Language** Deutsch, English, español, français
- Topics** Process technology, key performance indicators
- Target group** Managers in leading positions, mill owners
- Requirements** No technological knowledge necessary

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## 6 Courses at other locations or partner institutes<sup>5</sup>

Milling for executives at Bühler Wuxi, China	EN	17.10. – 21.10.2022
Milling for experts at KSU, USA	EN	28.02. – 04.03.2022
Flowsheet technology at KSU, USA	EN	14.11. – 18.11.2022
Milling for executives at KSU, USA	EN	07.03. – 11.03.2022
		07.11. – 11.11.2022
	ES	15.08. – 19.08.2022

### Milling for executives at Bühler Wuxi, China

- Location** Bühler Wuxi, China
- Duration** 1 week
- Language** English
- Topics** Process technology, key performance indicators
- Target group** Managers in leading positions, mill owners
- Requirements** No technological knowledge necessary

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### Milling for experts at KSU, USA

- Location** Kansas State University, USA
- Duration** 1 week
- Language** English
- Topics** In-depth flowsheet discussions and analysis of milling systems, optimized break handling, ideal purifier settings, starch damage
- Target group** Head millers, production managers, seasoned millers
- Requirements** Solid theoretical milling knowledge required (milling school, advanced milling courses etc.), several years of practical experience

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<sup>5</sup> Course dates without guarantee. For changes or cancellations, please visit our website at [buhlergroup.com/academy](https://buhlergroup.com/academy).

## Flowsheet technology at KSU, USA

<b>Location</b>	Kansas State University, USA
<b>Duration</b>	1 week
<b>Language</b>	English
<b>Topics</b>	Course with strong focus advanced flowsheet technology. Various flowsheet concepts and new approaches in the milling industry
<b>Target group</b>	Head millers, production managers, seasoned millers
<b>Requirements</b>	Solid theoretical milling knowledge required (milling school, advanced milling courses), several years of practical experience

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## Milling for executives at KSU, USA

<b>Location</b>	Kansas State University, USA
<b>Duration</b>	1 week (on request)
<b>Language</b>	English
<b>Topics</b>	Process technology, key performance indicators
<b>Target group</b>	Managers in leading positions, mill owners
<b>Requirements</b>	No technological knowledge necessary

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## 7 Prices<sup>6</sup>

### Standard courses

Certification level 1 / 2 weeks course	CHF 3'800.-
Certification level 2 / 2 weeks course	CHF 3'800.-
Certification level 3	CHF 2'100.-
German certification level 1+2 / 1 week course	CHF 1'900.-
Additional courses	CHF 2'100.-
Application courses / technology courses	CHF 1'900.-
Maintenance courses	CHF 1'700.-

### Custom certification level 3 / additional courses (with less than 5 participants)

4 participants	CHF 2'700.-
3 participants	CHF 3'200.-
2 participants	CHF 4'300.-
1 participant	CHF 6'500.-

### Custom application courses / technology courses (with less than 5 participants)

4 participants	CHF 2'300.-
3 participants	CHF 2'800.-
2 participants	CHF 3'900.-
1 participant	CHF 6'000.-

### Custom application courses / maintenance courses (with less than 5 participants)

4 participants	CHF 2'000.-
3 participants	CHF 2'400.-
2 participants	CHF 3'400.-
1 participant	CHF 5'500.-

<sup>6</sup> Per participant per week, excl. transfer and accommodation (for packages see next page)

## Accommodation packages

### Certification level 3 / additional courses

4\* Hotel in Uzwil

CHF 900.-

4\* Hotel in St. Gallen (daily public transfer included)

CHF 1'080.-

included:

6 nights, single room including breakfast

Pick-up at hotel on the first training day

Daily transfer by train Hotel – Milling Academy – Hotel

### Certification level 1 + 2 / application/technology/maintenance courses

3\* Hotel in Uzwil

CHF 690.-

3\* Hotel in Wil (daily public transfer included)

CHF 840.-

included:

6 nights, single room including breakfast

Pick-up at hotel on the first training day

Daily transfer by train Hotel – Milling Academy – Hotel

### Cancellation fees valid for all courses

21 – 11 days before the course starts      10 % of the costs

10 – 3 days before the course starts      50 % of the costs

2 or less days before the course starts      100 % of the costs

### Address

Bühler AG

Milling Academy

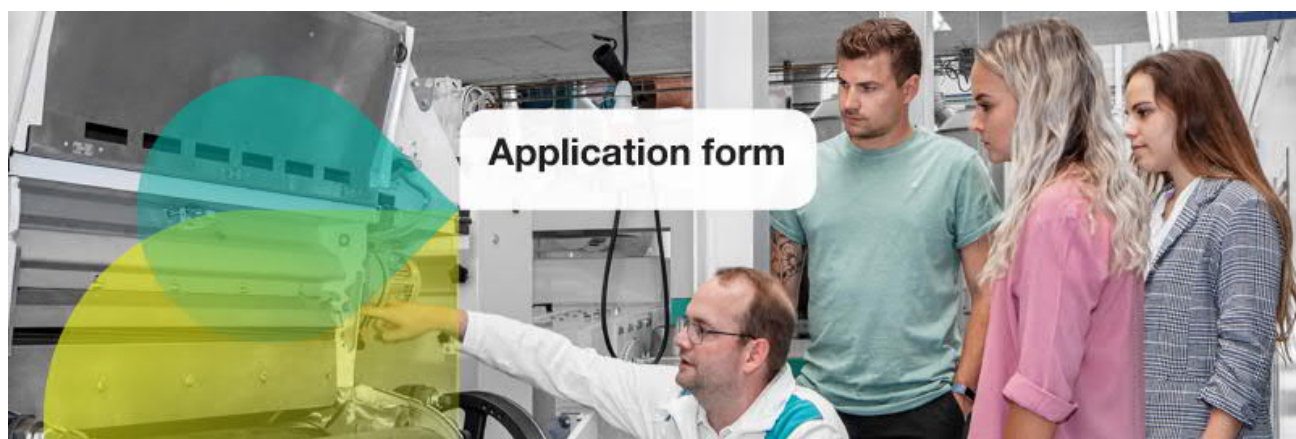
CH-9240 Uzwil, Switzerland

T +41 71 955 30 58

[www.buhlergroup.com/academy](http://www.buhlergroup.com/academy)

[millingacademy@buhlergroup.com](mailto:millingacademy@buhlergroup.com)

## 8 Application form<sup>7</sup>



Course: \_\_\_\_\_

From: \_\_\_\_\_

To: \_\_\_\_\_

Family name: \_\_\_\_\_

First name: \_\_\_\_\_

Date of birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

Passport no: \_\_\_\_\_

Expiry date: \_\_\_\_\_

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

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

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

Phone no: \_\_\_\_\_

Mobile phone no: \_\_\_\_\_

Present function: \_\_\_\_\_

Invoicing address: \_\_\_\_\_

Date/time of arrival (flight no): \_\_\_\_\_

Date of departure: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Please send the application form to [millingacademy@buhlergroup.com](mailto:millingacademy@buhlergroup.com) or contact us: +41 71 955 30 58.

<sup>7</sup> By sending this application I agree to the general terms and conditions.

## General Terms and Conditions for training services on Bühler sites

### 1. General

These General Terms and Conditions (hereinafter "GTC") are applicable for all contracts concluded with Bühler AG (hereinafter "Bühler") for customer-specific training services as well as contracts concluded by way of our online portal at [www.buhlergroup.com](http://www.buhlergroup.com) (hereinafter "Online Portal") for standard training services which are provided by Bühler on Bühler sites, provided that no different agreement has been made in the individual contract in writing. Changes and / or amendments to these GTC are only accepted if agreed between the parties in writing.

### 2. Conclusion of contract in case of customer-specific training services

In case of customer-specific training services the customer requests a quote of Bühler by telephone or by e-mail. The contract between Bühler and the customer comes into effect with the signature of the respective training contract by Bühler and the customer.

### 3. Conclusion of contract in case of standard training services

The binding registration of a customer is made electronically through the Online Portal by submitting the filled-in registration form for the respective participant. The contract between Bühler and the customer for standard training services comes into effect with the confirmation of registration by Bühler, which is sent to the e-mail address provided by the customer.

### 4. Postponing / cancellations / adjustments of training services

- a) In case of an insufficient number of participants, Bühler explicitly reserves the right to cancel or postpone planned trainings until 4 weeks before the scheduled start of the training. In case of a cancellation by Bühler, paid training fees will be fully refunded. No other compensations are provided by Bühler. Cancellations and postponements of the trainings do not entitle the customer to claim any damages from Bühler.
- b) Brochures, catalogues as well as documentations from Bühler concerning the training services are non-binding. Bühler explicitly reserves the right to make minor adjustments concerning the schedule and the localities as well as to replace the training leader or speaker in case of sickness or other non-availability.

### 5. Training material

Bühler reserves all rights in any provided training material and documentation. Such material is provided to participants on a nonexclusive right to use that material only for the purpose of the respective paid training. Any other use, the making of unauthorized copies and / or the distribution to third parties is strictly prohibited without the prior written consent by Bühler.

### 6. Costs and fees

Prices for the participation in trainings (hereinafter „Training Fee“) are understood net without any deductions and for each training participant. The applicable statutory value added tax (VAT) is not included in the Training Fee and is indicated separately on the invoice. The costs for accommodation (1 night before the start of the training and 1 night per full training day), of breakfast, of surrendered training material and of possible transport between the hotel and training site are included in the Training Fees. Training participants shall be accommodated in a three-star hotel according to local conditions, unless otherwise agreed upon in the individual contract. The costs of travel shall be borne by the customer in any case. All other costs, such as costs for an extension of the stay after completion of the training, meals and drinks outside of trainings as well as any telephone charges are to be borne by the customer respectively the participant.

### 7. Payment terms

- a) The Training Fee is due and payable without deduction immediately after receipt of the invoice.
- b) If a training registration is cancelled by the customer, Bühler will charge the following fees:
  - Cancellation 22 or more calendar days before the start of the training: no cancellation fee
  - Cancellation within 21 to 11 calendar days before the start of the training: cancellation fee of 10% of the entire Training Fee
  - Cancellation within 10 to 3 calendar days before the start of the training: cancellation fee of 50% of the entire Training Fee
  - Cancellation 2 or less calendar days before the start of the training: cancellation fee of 100% of the entire Training Fee.

Any cancellation must be received by Bühler in writing at the latest on the indicated day.

- c) The customer is entitled to designate a substitute participant, if he informs Bühler about it in writing prior to the start of the training.

### 8. Place of performance

Place of performance for all contractual obligations are the Bühler sites indicated in the training documents, unless otherwise agreed in the individual contract. For reasons of health protection, training participants are obliged to strictly follow the instructions of the training leader and of Bühler on training premises at any time. Equipment, machinery, and rooms on the training premises shall only be used and operated within the context of the training and in presence of the training leader.

### 9. Visas / permits

It is the sole responsibility of the customer to obtain all necessary permits and visas in time. He must take into account that trainings may (according to the respective training outline) take place in different countries. All costs resulting from a delay caused by obtaining the permits and visas not in time, are to be borne by the customer.

### 10. Insurances

It is within the responsibility of the customer to conclude insurance policies to cover for example possible illness, accidents, or medical treatment of the training participants. Bühler will not conclude any insurance coverage for training participants.

### 11. Travel Information

Information regarding accommodation and travel will be provided to the customer in due course. Any special requirements in relation to the accommodation or meals must be communicated to Bühler in writing at an early stage. Otherwise Bühler will offer European meals and drinks.

### 12. Force Majeure

- a) Bühler shall be entitled to suspend or cause the suspension of the training in case that events beyond the control of Bühler, which were unforeseeable at the time of conclusion of the individual contract such as e.g. fire, explosions, natural disaster (e.g. earthquake, flood), epidemics, mobilization, confiscation, war, acts of piracy, riots, embargos, boycotts, lack of means of transport etc. render the performance of the training impossible or unreasonably difficult; the same principles apply if subcontractors of Bühler are affected by such events.
- b) Bühler shall notify the customer in writing within due time on the occurrence and end of such events of Force Majeure.
- c) The term for fulfilment of the contractual obligations shall be extended for the duration of the Force Majeure events and their effects.

d) Bühler shall be entitled to terminate an individual contract in writing, should an event of Force Majeure last continuously for more than six weeks. In such a case the customer shall indemnify Bühler for the works and services performed as well as for the costs accrued prior to the occurrence of the event of Force Majeure.

### **13. Liability**

- a) Subject to provisions to the contrary in these GTC or to mandatory provisions of the applicable law, neither party shall be liable towards the other for any indirect or consequential damages, such as, but not limited to, loss of contracts, loss of use, loss of profit and any other indirect or consequential damages.
- b) Subject to the mandatory provisions of the applicable law Bühler's overall liability shall be limited to the amount of the Training Fee.

### **14. Termination of an individual contract**

- a) Bühler is entitled to terminate an individual contract with immediate effect if aa) the customer has not paid the Training Fee according to clause 7 a); or bb) the customer has violated a provision of these GTC, and such breach has not been cured within 5 (five) days after Bühler has notified the customer of such breach. In such a case Bühler is entitled to entirely retain the Training Fee.
- b) In the event of cancellation of the registration by the customer a reimbursement is made according to clause 7 b) where applicable.

### **15. Place of jurisdiction / applicable law**

The place of jurisdiction for all disputes arising out of or in connection with these GTC and the individual contract shall be exclusively CH-9240 Uzwil. These GTC and the individual contract shall be governed by the Swiss substantive law.

**Bühler AG, CH - 9240 Uzwil**