Training Program for SIG Combibloc Customers

SIG Combibloc Global Training

Valid from
01 January 2021

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Version 2
11/01/2021

Preamble

"An investment in knowledge pays the best interest"
Benjamin Franklin

Dear Sir/Madam,

In today's environment our daily lives are determined more than ever before by speed and progress. Markets are rapidly evolving and only those who are able to serve these dynamic changes will manage to establish themselves successfully in these markets. A prerequisite for enabling for fast and professional action is a motivated and well-trained team of employees.

Investing in the training of your staff will lead to a capital increase of your company. Continuing education is becoming an increasingly important topic for everyone, as nowadays the half-life of knowledge is only 3 to 5 years.

To make sure you always keep one step ahead in this market race we have created seminars providing your staff with solid, hands-on knowledge which is strengthened through practical exercises to enable them to optimize the performance of your machines.

The basis for the solid training of your staff is our longstanding experience in the field of training that we have accumulated over many years. Our trainers are properly qualified and certified to make sure that your people learn from the best. We offer fully equipped Training Centers in Germany, Thailand, UAE, Brazil and China, so you are able to choose the location that suits you best. Alternatively, providing a filling machine is available at your company, our trainers are also happy to come directly to you in order to qualify your employees onsite.

At the Global Training Department we feel an obligation towards our participants worldwide and we consider it our task to help you benefit from the professional education of your staff. Therefore we appreciate any feedback that can help us to continue developing seminars best suited to your training needs – now and in the future.

Welcome to SIG Combibloc Global Training!

Table of contents

1 Seminar structure

Training contents

We believe that only well-qualified staff can increase the competitiveness of a company and secure its long-term success. Therefore a more in-depth knowledge of the entire filling system, consisting of our cartons, the filling machines and all downstream equipment is a fundamental learning objectives of all our trainings.

The goal of our training program is to enable our customers to operate the SIG Combibloc system efficiently, to support our customers in ensuring a safe and efficient production and to provide them with transparent results of the learning process of their staff.

Our training program covers the following areas:

- Machine operation
- Mechanics
- Electronics and automation
- Carton quality control
- Aseptic technology and hygiene

Customized trainings

Would you like to enhance your staff's knowledge on specific topics? Upon request we also organize customized trainings, tailored to your specific training needs.

Please contact us for further information.

Certificate

All standard training seminars include a learning target evaluation, documenting the exact level of participant knowledge and informing you about the training level reached by your staff. At the end of the training the participants will receive a certificate detailing their successful participation in the seminar.

Seminar prerequisites

In order to ensure the greatest possible uniformity of the learning groups and an efficient execution of the seminars it is important that you observe the mandatory prerequisite requirements for participation in certain trainings. Please make sure that the participants meet these requirements so that they can follow the training. Should you have any questions about this, we are happy to advise you.

Training structure

Our seminar structure reflects the different training subjects and target groups. For operators we offer a short or long Operator Training, which should be completed before specializing on different machines/skills according to the individual participants' needs.

In order to provide a more practice-oriented training for technical staff we are introducing a new seminar called Combibloc System Training. This seminar is aimed at both electrical and mechanical workforce and provides a broad scope of knowledge on all essential filling machine components. After completing this seminar the participants can increase their respective knowledge in the mechanical or electrical field.

Note: Operator and Mechanical/Electrical Trainings are machine specific. This means that the participants have to follow a separate seminar for each machine type. For some machines the trainings are identical, e.g. for all small format machines with Siemens control. In these cases the training on one machine will give the same learning success as a training on all other machines from the same group. If you are unsure which machine can be used for a certain training, please contact your local Training Center for assistance.

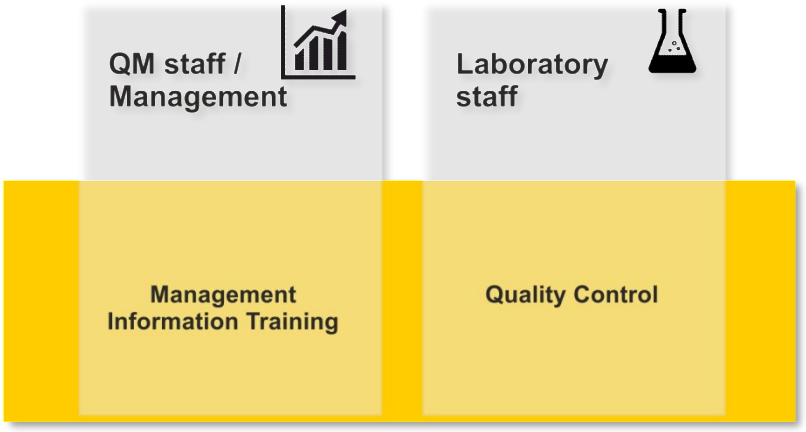
Seminar overview

We offer trainings for operators, technical workforce, quality departments and management, and laboratory staff. This overview will help you to find the appropriate training for your staff.

	Operators	Technical Workforce – Mechanical	Technical Workforce – Electrical
CFA Combibloc Filling Machine	• Operator Training (OTc) • Operator Training Refresh (OTc Refresh) • Operator Training Plus (OPc)	• Combibloc System Training (CSc) • Mechanical Training Filling Machine (MTc) • Mechanical Training x12-35 update (MTc 35 update)	• Combibloc System Training (CSc) • Electrical Training Filling Machine (ETc) • Electrical Training x12-35update (ETc 35 update)
CAM Combibloc Automatic Magazine		• Mechanical-Electrical Training CAM with Siemens (MEc-S7 CAM) • Mechanical-Electrical Training CAM with Elau (MEc-ELAU CAM)	• Mechanical-Electrical Training CAM with Siemens (MEc-S7 CAM) • Mechanical-Electrical Training CAM with Elau (MEc-ELAU CAM)
ACB/F ACR/ACS Applicator	• Operator Training Applicator (OTc ACB/F, ACR, ACS)	• Mechanical Training Applicator 1st Gen. (MTc ACB/F) • Mech./El. Training Applicator 2nd Gen. Elau (MEc-ELAU ACB/F) • Mech./El. Training ACR • Mech./El. Training ACS	• Electrical Training Applicator 1st Gen. (ETc-S7 ACB/F) • Mech./El. Training Applicator 2nd Gen. Elau (MEc-ELAU ACB/F) • Mech./El. Training ACR • Mech./El. Training ACS
Downstream	• Operator Training Downstream (OTc DS)		
Skills Training	• Efficiency Control System (ECc) • Cleaning Procedure (OTc CIP) • Operator Coaching (OCc) • Basic principles of Aseptics (ASc) • Carton Check (CCc)	• Safety at Filling Lines (SFc)	• Safety at Filling Lines (SFc)

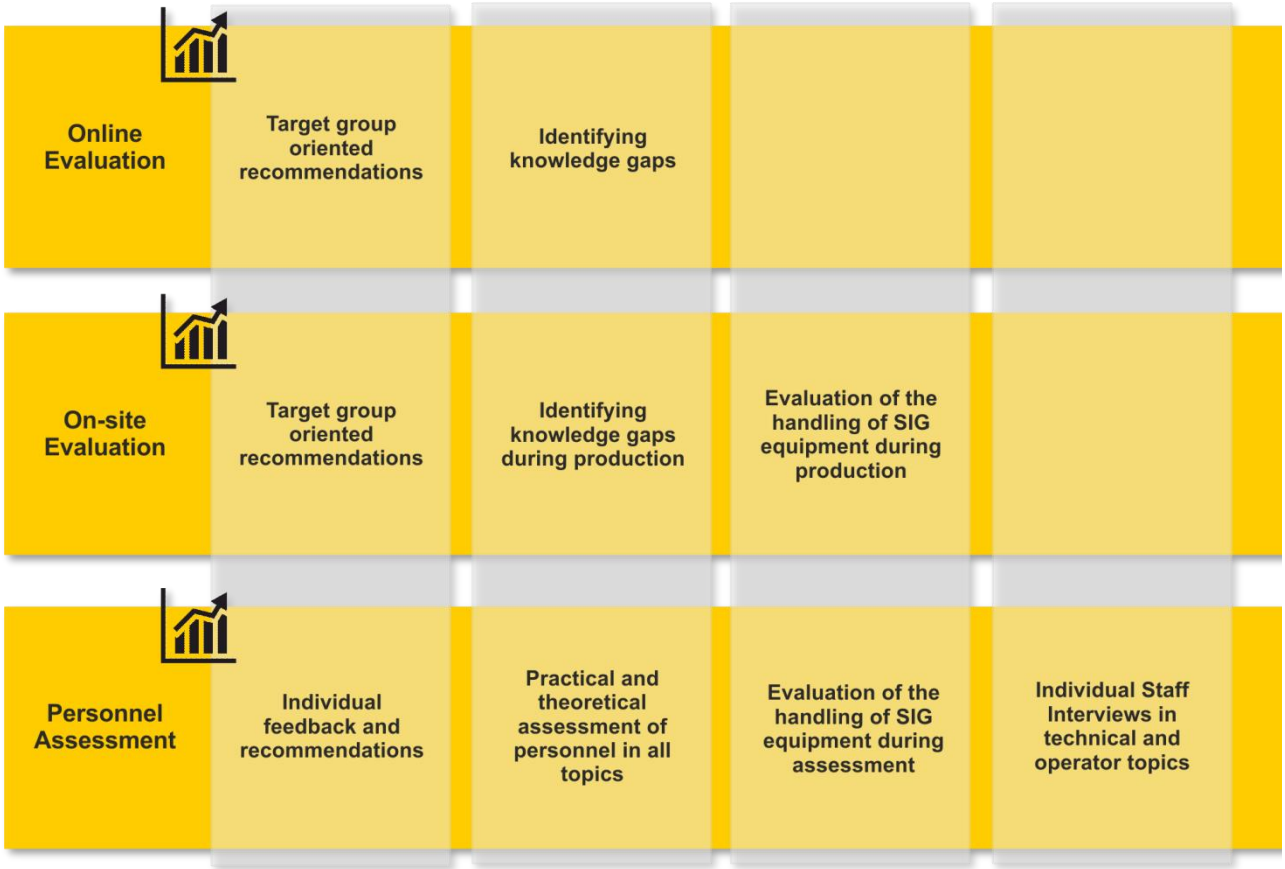
Other Seminars

Apart from operator and technical trainings we also provide seminars for customer staff working as production managers, shift leaders, supervisors and QM staff. These seminars focus on special topics concerning aseptics and microbiology, production control and optimization, quality assurance and line maintenance.



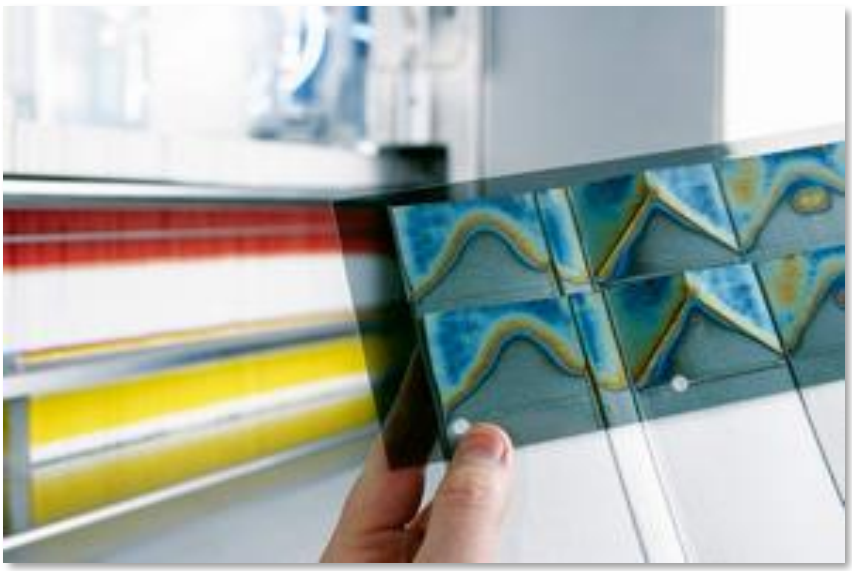
Evaluations

With our evaluation products we support you in the selection of the correct training and further education of your staff, enabling them to work with our machines as safely and reliably as possible. These evaluations are offered at different levels of detail.



2 Courses for Machine Operators

The Operator Trainings provide knowledge of the SIG Combibloc filling machine, the filling process and the downstream equipment. The participants learn how to operate the filling machine, the applicator and the downstream and how to monitor the filling process during production.



Operator Training, standard

Machines:

All filing machines

Title	OTc, standard
Participants/ target group	Customer staff working as operators at SIG Combibloc filling machines
Participants per seminar	min. 3 – max. 6
Prerequisite	Technical understanding
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • carry out all measures necessary to drive an aseptic production • clean and sterilise the filling machine and prepare the machine for production • operate the filling system and monitor it during production • carry out and interpret obligatory tests • carry out necessary adjustments
Seminar contents	• SIG Combibloc company presentation • system overview and sleeve construction • safety instructions • operating units • aseptics and hygiene • start-up of filling machine • operation of machine during production • control measures (machine and carton) • product change • carton format change • main and intermediate cleaning • monitoring functions and works • daily and weekly maintenance • troubleshooting and elimination of faults • production monitoring
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and final discussion approx. 30% theoretical and 70% practical work
Duration	7 days CDA 1012, CFA 209/909*, CFA 1724, CFA1824: 8 days *includes CAM training

Operator Training, short

Machines:

All filing machines

Title	OTc, short
Participants/ target group	Customer staff
Participants per seminar	min. 3 - max. 6
Prerequisite	Technical understanding Filling machine must be available during the training **Important: Participants must have previous experience in operating SIG Combibloc filling machines!**
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • carry out all measures necessary for an aseptic production • clean and sterilize the filling machine and prepare the machine for production • operate the filling system and monitor it during production • carry out and interpret obligatory tests • carry out necessary adjustments
Seminar contents	• SIG Combibloc company presentation • system overview and sleeve construction • safety instructions • operating units • aseptics, hygiene • start-up of filling machine • operation of machine during production • control measures (machine and carton) • product change • carton format change • main and intermediate cleaning • monitoring functions and works • daily and weekly cleaning work • troubleshooting and elimination of faults
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and final discussion approx. 30% theoretical and 70% practical work
Duration	5 days

Operator Training Refresh

Machines:

All filing machines

Title	OTc Refresh
Participants/ target group	Certified Operator staff with SIG Combibloc experience
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in Operator Training (OTc). There must be a period of at least 12 months to collect experience as an operator between the OTc and OTc Refresh course.
Required equipment	• safety shoes • working clothes
Objectives	This course is required in order to renew the certificate for a certified operator.
Seminar contents	• safety instructions • assessment • sleeve construction • control measures (machine and carton) • troubleshooting and elimination of faults
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and final discussion approx. 30% theoretical and 70% practical work
Duration	1 day

Operator Training Plus

Machines:

All filing machines

Title	OPc
Participants/ target group	Customer staff working as operators at SIG Combibloc filling machines
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in Operator Training (OTc). There must be a period of at least 3 months to collect experience as an operator between the OTc and OPc course.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • detect and solve easy failures • give competent information about the condition of the filling machine • assign faults at the completed package to the appropriate unit of the filling machine and the CAM respectively
Seminar contents	• impression of – layout, function and removal of failure causes – processing and operating states – valve block – cleaning, sterilization and production • 125h maintenance • package tests • assistance in troubleshooting • individual focuses
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 30% theoretical and 70% practical work
Duration	5 days

Operator Training Applicator ACB/F, ACS, ACR

Title	OTc Applicator
Participants/ target group	Customer staff working as operators at SIG Combibloc applicators
Participants per seminar	min. 3 – max. 6
Prerequisite	Technical understanding
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • start-up the applicator • operate all components of the machine during production • understand the production process • carry out the basic maintenance and cleaning procedures • identify malfunctions of the system and repair them • execute specified tests and analyse their results
Seminar contents	• safety instructions • functions and operation of the applicator • operating unit • simple fault analysis and repair • maintenance and cleaning work after end of production • test procedures
Training methods	Seminar discussion, lecture, practical work, final test and discussion of results approx. 30% theoretical and 70% practical work
Duration	ACB/F, ACS: 1 day ACR: 2 days

Operator Training CAM

Title	OTc CAM
Participants/ target group	Customer staff working as operators at SIG Combibloc applicators
Participants per seminar	min. 3 – max. 6
Prerequisite	Technical understanding
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • start-up the CAM • operate all components of the machine during production • understand the unpacking and feeding process • carry out the basic maintenance and cleaning procedures • identify malfunctions of the system and repair them
Seminar contents	• safety instructions • functions and operation of the CAM • operating unit • simple fault analysis and repair • maintenance and cleaning work after end of production
Training methods	Seminar discussion, lecture, practical work, final test and discussion of results approx. 30% theoretical and 70% practical work
Duration	1 day

Operator Training Downstream x24

Title	OTc DS x24
Participants/ target group	• Customer staff working as downstream operator • Technical workforce/maintenance team
Participants per seminar	min. 3 - max. 6
Machines	CM/FT, CM HSP, CM/HHS, CM/HTW, CM/TP, Geyssel Straw Applicator
Prerequisite	Technical understanding
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • start-up and prepare the production of the full line and the individual components • understand the structural components and its functions for each machine • carry out a format change of the full line and the individual components • discharge and switch off the full line and the individual components • carry out the quality check of the final product • clean the full line and the individual components
Seminar contents	• Safety instructions • Line understanding (x24 DS line) • DS structural components and functions • Working with HMI panel for individual machines • Format change • Basic control measures • Cleaning the machine and lubrication • Weekly maintenance
Training methods	Seminar discussion, lecture, practical work, final test and final discussion approx. 30% theoretical and 70% practical work
Duration	5 days

Efficiency Control System Customer Training

Title	ECc
Participants/ target group	Customer staff*
Participants per seminar	min. 3 – max. 6
Prerequisite	Basic PC and Windows skills
Required equipment	All participants must have access to a computer with ECS system connection
Objectives	After successful completion the participant should be able to: • operate the ECS • judge the analysis to optimise the production
Seminar contents	• technical description of the ECS – overview – how the ECS works – data analysis • dial-up • handling – interpretation of symbols and colours – assistance in troubleshooting – explanation of the user interface – adaptation of Internet Explorer
Training methods	Seminar discussion, lecture, work with PC, final test. approx. 80% theoretical and 20% practical work
Duration	1 day

***Please note that this training can only be held on customer site.**

CombiLink
Customer Training

Title	CLc
Participants/ target group	Customer staff*
Participants per seminar	min. 3 – max. 6
Prerequisite	Basic PC and Windows skills All participants must have access to a computer with CombiLink system connection
Required equipment	-
Objectives	After successful completion the participant should be able to: • operate the CombiLink • handle and judge the analysis to optimise the production
Seminar contents	• technical description of the CombiLink system – overview – how the system works – data analysis • handling – operating – explanation of the user interface – explanation of the KPI's (i.e. OEE)
Training methods	Seminar discussion, lecture, work with PC, final test. approx. 80% theoretical and 20% practical work
Duration	1 day

***Please note that this training can only be held on customer site.**

Operator Training Cleaning Procedure

Machines:
All filing machines

Title	OTc CIP
Participants/ target group	Customer staff working as operators at SIG Combibloc filling machines*
Participants per seminar	min. 1 - max. 2
Prerequisite	Successful participation in an Operator Training (OTc)
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • carry out all measures that are necessary for an aseptic production • clean the filling machine
Seminar contents	• preparing the machine for cleaning • removal and installation of the relevant parts of the filling machine (aseptic chamber) • CIP • manual cleaning • preparing for sterilisation • monitoring of the cleaning
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and final discussion approx. 10% theoretical and 90% practical work
Duration	1 day

***Please note that this training can only be held on customer site.**

Operator Coaching

Machines:

All filing machines

Title	OCc
Participants/ target group	Customer staff working as operators at SIG Combibloc filling machines
Participants per seminar	No minimum number of participants
Prerequisite	Successful participation in an Operator Training (OTc)
Required equipment	• safety shoes • working clothes
Objectives	Optimization in operating SIG Combibloc machines to reach a more effective production
Seminar contents	• evaluation of the knowledge learned • avoiding operator faults • impression of the learned knowledge from the operator training
Training methods	Coaching/practical work at the respective SIG Combibloc filling machine, final discussion 100% practical work
Duration	Customer specific, however coaching should cover one whole production cycle (sterilization, production, cleaning)

Basic Principles of Aseptics

Title	ASc
Participants/ target group	Operating staff
Participantsper s eminar	min. 5 – max. 10
Prerequisite	Successful participation in an Operator Training (OTc)
Required equipment	-
Objectives	After successful completion the participant should be able to: • understand the basic principles of aseptics • understand the process and the procedures for the processing of products • handle the aseptics of the SIG Combibloc filling machine • analyse the reasons for unsterilities
Seminar contents	• microbiology: micro-organisms, growth factors, growing and effect of micro-organisms • hygiene: food, personal and plant hygiene, legal basics, HACCP, IFS, GMP • aseptic principles • cleaning, disinfection and sterilization • sterile air, laminar flow • conservation of food • process comparison, sterilization and aseptic processing • upstream basics • unsterilities
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and final discussion approx. 90% theoretical and 10% practical work
Duration	3 days

Carton Check Training

Title	CCc
Participants/ target group	Customer staff
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in an Operator Training (OTc) or Mechanical Training (MTc)
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • carry out a packaging control following the SIG Combibloc operation procedure • assess the sleeves
Seminar contents	• production of packaging material • coding of shipping boxes • carton test and subsequent adjustments: – activation pattern at sleeve – volume – visual control – head space – top sealing – activation from top forming station – ct pre-activation* – activation at bottom section – bottom sealing – glue application* – glue application weight* – fitment position on carton* – H_2O_2 residue test – tightness of bonding* – blue dye test (red dye test) • sleeve complaints • copies ** if applicable*
Training methods	Seminar discussion, lecture, practical work on the SIG Combibloc filling machine, final test approx. 50% theoretical and 50% practical work
Duration	4 hours

3 Courses for Technical Workforce

The Trainings for technical staff provide information on the mechanical and electrical components of the filling machine and applicators. As a prerequisite for the more specialised filling machine seminars all participants first have to complete the Combibloc System Training. It provides general knowledge and skills needed to carry out maintenance tasks and conduct a fault analysis. After completing this seminar the participants can increase their respective knowledge in the mechanical or electrical field.

Please note that for some of these trainings the contents, duration and percentage of practical work may differ when the training is held on customer site. If this is the case, this is indicated in the respective seminar description.

Seminars per filling machine

Machine	Seminar						
	MTc (pg. 27)	MTc with Servo Drives (pg. 30)	ETc S7 (pg. 34)	ETc PS416 (pg. 34)	ETc-Elau (pg. 36)	ETc S7 with Elau (pg. 36)	ETc PD3 (p. 36)
CFA 112-32	x		x				
CFA 124-36		x			x		
CFA 206-32	x		x				
CFA-209-32	x		x				
CFA 310-31	x			x			
CFA 310-32	x		x				
CFA 312-35		x				x	
CFA 406-32	x		x				
CFA 510-31	x			x			
CFA 510-32	x		x				
CFA 512-35		x				x	
CFA 512-36 Food		x			x		
CFA 612-31	x			x			
CFA 612-32	x		x				
CFA 612-35		x				x	
CFA 612-36 Food		x			x		
CFA 712-31	x			x			
CFA 712-32	x		x				
CFA 712-36 Food		x			x		
CFA 724-36		x			x		
CFA 810-32	x		x				
CFA 812-35		x				x	
CFA 812-36 Food		x			x		
CFA 909-32	x		x				
CFA 1224-36		x			x		
CDA 1012-36		x			x		
CFA 1724-37		x			x		x
CFA 1824-37		x			x		x

Combibloc System Training

Machines:
All filing machines

Title	CSc
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Mechanical or eclectrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or shorten downtimes • understand the function of components and the interaction between several components • schedule, execute and document regular maintenance • locate faults and start corresponding measures • detect and eliminate simple functional faults
Seminar contents	• safety regulations • structure and function of the machine • operation • maintenance (125h, 500h) • safety 1/safety 2* • valve block • checks during production • spare part identification • handling of wiring diagrams • handling of pneumatic diagrams • servo drive operation • troubleshooting • processes **if applicable*
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of the results approx. 30% theoretical and 70% practical work
Duration	5 days

Mechanical Training Filling Machine

Machines:

CFA 112-32 or
CFA 712-32

CFA 310-31/-32 or
CFA 510-31/-32 or
CFA 612-31/-32 or
CFA 712-31

CFA 206-32 or
CFA 406-32

CFA 209-32 or
CFA 909-32

Title	MTc IN TRAINING CENTER
Machines	2nd gen. 3rd gen. -31/-32
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in the Combibloc System Training (CSc). The time gap between CSc and MTc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • troubleshooting and adjustment of the following components – suction unit and feeder – bottom activation and folding – pocket chain and bottom guide – top pre-folding and sealing – top forming station – filling station and swivel coupling* – ejector and discharge station • package tests ** if installed*
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 20% theoretical and 80% practical work
Duration	5 days

Mechanical Training Filling Machine

Machines:

CFA 112-32 or
CFA 712-32

CFA 310-31/-32 or
CFA 510-31/-32 or
CFA 612-31/-32 or
CFA 712-31

CFA 206-32 or
CFA 406-32

CFA 209-32 or
CFA 909-32

Title	MTc (onsite) 
Machines	2nd gen. 3rd gen. -31/-32
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in the Combibloc System Training (CSc). The time gap between CSc and MTc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • function and troubleshooting of the following components – suction unit and feeder – bottom activation and folding – pocket chain and bottom guide – top pre-folding and sealing – top forming station – filling station and swivel coupling* – ejector and discharge station • package tests ** if installed*
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 50% theoretical and 50% practical work
Duration	5 days

Mechanical Training with Servo Drives

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

CFA 124-36/37 or
CFA 724-36/37 or
CFA 1224-36/37

CFA 1724-37 or
CFA 1824-37

CDA1012-36/37

CFA 512-36/37 Food or
CFA 612-36/37 Food or
CFA 812-36/37 Food

Title	MTc 
Machines	3rd gen. -35/-36/-37
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in the Combibloc System Training (CSc). The time gap between CSc and MTc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • troubleshooting and adjustment of the following components – servo drives at the corresponding components (ELAU or Schneider depending on the machine) – suction unit and feeder – bottom activation and folding – pocket chain and bottom guide – top pre-folding and sealing – top forming station – filling station and swivel coupling – ejector and discharge station • package tests
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 20% theoretical and 80% practical work
Duration	8 days

Mechanical Training with Servo Drives

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

CFA 124-36/37 or
CFA 724-36/37 or
CFA 1224-36/37

CFA 1724-37 or
CFA 1824-37

CDA1012-36/37

CFA 512-36/37 Food or
CFA 612-36/37 Food or
CFA 812-36/37 Food

Title	MTc (onsite) 
Machines	3rd gen. -35/-36/-37
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in the Combibloc System Training (CSc). The time gap between CSc and MTc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • function and troubleshooting of the following components – servo drives at the corresponding components (ELAU or Schneider depending on the machine) – suction unit and feeder (including ELAU) – bottom activation and folding – pocket chain and bottom guide – top pre-folding and sealing – top forming station – filling station and swivel coupling – ejector and discharge station • package tests
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 50% theoretical and 50% practical work
Duration	5 days

Mechanical Training x12-35 Update

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

Title	MTc 35 update
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in a Mechanical Training (MTc 310, MTc 510). The time gap between MTc and MTc x12-35 Update should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • plan, execute and document regular maintenance • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • settings of Elau servo drives of the following components – ELAU rotary pulse encoder – transfer station – top prefolding (including ELAU) – US station – ejector • HMI operating ELAU servo drives
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 30% theoretical and 70% practical work
Duration	3 days

Electrical Training
x12-35 Update

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

Title	ETc 35 update
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Successful participation in an Electrical Training (ETc S7). The time gap between ETc and ETc x12-35 Update should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • plan, execute and document regular maintenance • carry out a systematic troubleshooting, fault detection and repair
Seminar contents	• safety instructions • settings of Elau servo drives of the following components – ELAU rotary pulse encoder – transfer station – top prefolding (including ELAU) – US station – ejector • HMI operating ELAU servo drives
Training methods	Seminar discussion, lecture, practical work at the respective SIG Combibloc filling machine, final test and discussion of results approx. 30% theoretical and 70% practical work
Duration	3 days

Electrical Training Filling Machine

Machines:

CFA 310-31 or
CFA 510-31 or
CFA 612-31 or
CFA 712-31

CFA 112-32 or
CFA 712-32 or
CFA 310-32 or
CFA 510-32 or
CFA 612-32 or
CFA 206-32 or
CFA 406-32 or
CFA 209-32 or
CFA 909-32

Title	ETc-S7 ETc-PS416 IN TRAINING CENTER
Machines	-31/-32 machines
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training (CSc). The time gap between CSc and ETc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components • do parameterisation of sensors
Seminar contents	• handling of wiring diagram • system and network configuration • hardware and software of the HMI (user surface) • hardware of: – PLC – ultrasonic station – frequency converter • valve block operation • filling station and tank level control system • H_2O_2 system • actors/sensors (light barrier, flow meter etc.) • systematic troubleshooting
Training methods	Seminar discussion, lecture, practical work at the SIG Combibloc filling machine, final test and discussion of results approx. 50% theoretical and 50% practical work
Duration	5 days

Electrical Training Filling Machine

Machines:

CFA 310-31 or
CFA 510-31 or
CFA 612-31 or
CFA 712-31

CFA 112-32 or
CFA 712-32 or
CFA 310-32 or
CFA 510-32 or
CFA 612-32 or
CFA 206-32 or
CFA 406-32 or
CFA 209-32 or
CFA 909-32

Title	ETc-S7 ETc-PS416 (onsite) ON CUSTOMER SITE
Machines	-31/-32 machines
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training (CSc). The time gap between CSc and ETc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components • do parameterisation of sensors
Seminar contents	• handling of wiring diagram • hardware and software of the HMI (user surface) • hardware of: – PLC – ultrasonic station – frequency converter • valve block operation • filling station and tank level control system • H_2O_2 system • actors/sensors (light barrier, flow meter etc.) • troubleshooting
Training methods	Seminar discussion, lecture, practical work at the SIG Combibloc filling machine, final test and discussion of results approx. 60% theoretical and 40% practical work
Duration	5 days

Electrical Training with Servo Drives

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

CFA 124-36/37 or
CFA 724-36/37 or
CFA 1224-36/37

CFA 1724-37 or
CFA 1824-37

CDA1012-36/37

CFA 512-36/37 Food or
CFA 612-36/37 Food or
CFA 812-36/37 Food

Title	ETc-ELAU ETc-S7 with ELAU ETc PD3 IN TRAINING CENTER
Machines	-35/-36/-37 machines
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training (CSc). The time gap between CSc and ETc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components • do parameterisation of sensors
Seminar contents	• handling of wiring diagram • system and network configuration • hardware and software of the HMI (user surface) • hardware of: – PLC – ultrasonic station – servodrives • valve block operation • filling station and tank level control system • H_2O_2 system • actors/sensors (light barrier, flow meter etc.) • systematic troubleshooting
Training methods	Seminar discussion, lecture, practical work at the SIG Combibloc filling machine, final test and discussion of results approx. 50% theoretical and 50% practical work
Duration	5 days

Electrical Training with Servo Drives

Machines:

CFA 312-35 or
CFA 512-35 or
CFA 612-35 or
CFA 812-35

CFA 124-36/37 or
CFA 724-36/37 or
CFA 1224-36/37

CFA 1724-37 or
CFA 1824-37

CDA1012-36/37

CFA 512-36/37 Food or
CFA 612-36/37 Food or
CFA 812-36/37 Food

Title	ETc-ELAU ETc-S7 with ELAU (onsite) ETc PD3 ON CUSTOMER SITE
Machines	-35/-36/-37 machines
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training (CSc). The time gap between CSc and ETc should not be longer than 12 months.
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components • do parameterisation of sensors
Seminar contents	• handling of wiring diagram • hardware and software of the HMI (user surface) • hardware of: – PLC – ultrasonic station – servodrives • valve block operation • filling station and tank level control system • H_2O_2 system • actors/sensors (light barrier, flow meter etc.) • troubleshooting
Training methods	Seminar discussion, lecture, practical work at the SIG Combibloc filling machine, final test and discussion of results approx. 60% theoretical and 40% practical work
Duration	5 days

Mechanical-Electrical Training Combibloc Automatic Magazine (CAM) with Siemens S7 control

Title	MEc-S7 CAM
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • understand the function and interaction of the several components • carry out basic settings of the CAM by means of SIG Combibloc documentation
Seminar contents	• handling of the wiring diagram and pneumatic system • gripper automatic unit • adjust setting points • adjust driving job • operation of HMI • function, settings and troubleshooting on following units: – unpacking register – pull-off system of shipping box – positioning system of shipping box – cutting device horizontally and vertically
Training methods	Seminar discussion, lecture, practical work at SIG CAM, troubleshooting, final test approx. 20% theoretical and 80% practical work
Duration	4 days

Mechanical-Electrical Training Combibloc Automatic Magazine (CAM) with ELAU control

Title	MEc-ELAU CAM
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training and successful participation in the Combibloc System Training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid or minimize downtime • do an effective troubleshooting and repair • understand the function and interaction between the different components • save and restore system data • carry out basic settings of the CAM using SIG Combibloc documentation
Seminar contents	• handling of the wiring diagram and pneumatic system • ELAU hardware components • communication between CFA and CAM • software of ELAU components – PacDrive Diagnostics – PacDrive Backup – PacDrive Firmware Assistant – Netmanager – EPAS 4 (only operating) • systematic troubleshooting • adjust driving job • operation of HMI • function, settings and troubleshooting on the following units: – carriage axis – gripper – delivery shipping box
Training methods	Seminar discussion, lecture, practical work at SIG CAM, troubleshooting, final test 20% theoretical and 80% practical work
Duration	4 days

Mechanical Training
Customer Applicator
ACB/F 1st generation

Title	MTc ACB/F
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Mechanical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • operate the HMI • do an effective troubleshooting and repair • carry out basic settings of the machine and adjust machine parameters • carry out basic settings according to the SIG Combibloc documentation
Seminar contents	• safety regulations • operating HMI • diagnostics and analysis with HMI • adjust cams • troubleshooting • service buttons • function, settings and troubleshooting at the following components – carton separation – carrier belts – forming station (ACF) – glue application – gripper chain – grippers – fitment guides – sorting device – junction (ACF) – pneumatics – adjusting/replacing grippers – sensors – pusher
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 40% theoretical and 60% practical work
Duration	5 days

Mechanical Training
Customer Applicator
ACB/F 1st generation

Title	MTc ACB/F (onsite)
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Mechanical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • operate the HMI • carry out basic settings of the machine and adjust machine parameters repair (without sorter) • carry out basic settings according to the SIG Combibloc documentation (without sorter)
Seminar contents	• safety regulations • operating HMI • diagnostics and analysis with HMI • adjust cams • service buttons • commissioning at the end of the training • function and settings at the following components – carton separation – carrier belts – forming station (ACF) – glue application – gripper chain – grippers – fitment guides – junction (ACF) – pneumatics – adjusting/replacing grippers – sensors – pusher
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 40% theoretical and 60% practical work
Duration	5 days

ON CUSTOMER SITE

Electrical Training ACB/F with Siemens S7 1st generation

Title	ETc-S7 ACB/F
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • understand the interaction between mechanical and electrical equipment • carry out the mechanical and electrical basic settings • understand the function of components and interaction of several components • backup and restore system data
Seminar contents	• handling of wiring diagram • machine operator • system and network configuration • hardware of PLC • separation • forming station (ACF) • glue application system and grippers • sorter (SMR) • drive technology (frequency converter; posmo drives; simovert) • sensors (light barriers etc.)
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 50% theoretical and 50% practical work
Duration	4 days

Electrical Training ACB/F with Siemens S7 1st generation

Title	ETc-S7 ACB/F 
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • understand the interaction between mechanical and electrical equipment • carry out the mechanical and electrical basic settings • understand the function of components and interaction of several components • backup and restore system data
Seminar contents	• handling of wiring diagram • machine operator • system and network configuration • hardware of PLC • separation • forming station (ACF) • glue application system and grippers • drive technology (frequency converter; posmo drives; simovert) • sensors (light barriers etc.)
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 50% theoretical and 50% practical work
Duration	4 days

Mechanical-Electrical Training ACB/F 2nd generation

Title	MEc-ELAU ACB/F
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • hardware of the HMI • parameterisation of ELAU components after exchanging (MAX4, MC4, servo drive) • wiring diagrams • system configuration • function, settings and troubleshooting at the following components – carton separation and carrier belts – forming station (ACF) – glue application – grippers and fitment guides – sorting device – pneumatics – sensors – pusher – drive technology (frequency converter)
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	7 days

IN TRAINING CENTER

Mechanical-Electrical Training ACB/F 2nd generation

Title	MEc-ELAU ACB/F (onsite) ON CUSTOMER SITE
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • wiring diagrams • commissioning at the end of the training • function and settings at the following components – carton separation and carrier belts – forming station (ACF) – glue application – grippers and fitment guides – pneumatics – sensors – pusher
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	5 days onsite

Mechanical-Electrical Training ACR

Title	MEc-PD3 ACR
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • hardware of the HMI • parameterisation of PacDrive3 components after exchanging (LMC402, LXM62, servo drive) • wiring diagrams • system configuration • function, settings and troubleshooting at the following components – carton separation and carrier belts – sensors and pneumatics – glue application – drive technology
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	8 days

Mechanical-Electrical Training ACR

Title	MEc-PD3 ACR (onsite) 
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • wiring diagrams • commissioning at the end of the training • function and settings at the following components – carton separation and carrier belts – sensors and pneumatics – glue application – drive technology
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	5 days

Mechanical-Electrical Training ACS

Title	MEc-PD3 ACS
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • do an effective troubleshooting and repair • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • hardware of the HMI • parameterisation of PacDrive3 components after exchanging (LMC402, LXM62, servo drive) • wiring diagrams • system configuration • function, settings and troubleshooting at the following components – carton separation and carrier belts – sensors – glue application – drive technology
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	5 days

Mechanical-Electrical Training ACS

Title	MEc-PD3 ACS (onsite) 
Participants/ target group	Technical workforce
Participants per seminar	min. 3 – max. 6
Prerequisite	Electrical vocational training
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • avoid downtime • operate the HMI • carry out basic settings of the machine and adjust machine parameters • understand the interaction between mechanical and electrical equipment • understand the function of components and interaction of several components
Seminar contents	• safety regulations • operator training (short program) • wiring diagrams • commissioning at the end of the training • function and settings at the following components – carton separation and pusher – sensors – glue application – carrier belts
Training methods	Lecture, discussion, practical work at the applicator, final test and discussion of results 30% theoretical and 70% practical work
Duration	5 days

Safety at Filling Lines

Title	SFc
Participants/ target group	Technical workforce
Participants per seminar	min. 4 – max. 8
Prerequisite	• none
Required equipment	• safety shoes
Objectives	After successful completion the participant should be able to: • identify hazards in their working environment • observe the SIG Live Saving Rules • use Loto equipment • use PPE • avoid potential risks
Seminar contents	• life-saving rules • dealing with Hazards – electrical hazards – mechanical hazards – working at height – hot surfaces – chemical hazards (including CIP) • LoTo • PPE • rigging • safe work at filling lines • utilities – compressed air – gas – nitrogen – steam
Training methods	Seminar discussion, lecture, failure diagnostics, final test and discussion of results, approx. 80% theoretical and 20% practical work
Duration	2 days

4 Evaluations

With our evaluation products we can support you in the selection of the right training and further education of your staff. This enables your employees to work with our machines as safely and reliably as possible.

Our evaluations provide a detailed overview of the theoretical and/or practical competence your employees possess in dealing with the SIG filing machine system. This will help you to identify skills, derive qualification requirements and, based on these outcomes, plan appropriate qualifications.

In the Online Evaluation, the current competence level of machine operators and maintenance personnel is recorded and transparently presented, using a web-based multiple-choice test, covering subjects relevant for their daily tasks. This can be anonymous, or personalised to individual employees.

During an On-site Evaluation our assessors analyse the way your staff handles the SIG equipment and production material during production.

The Personnel Assessment is more comprehensive, containing exercises such as carton checks, troubleshooting or other specific tasks under real, practical conditions. This practice-based approach gives more detailed results, creating the conditions to make any required training more targeted and individualised. The Personnel Assessment can be carried out at the customer's own production site, or at one of the SIG Combibloc training centres.

Online Evaluation

Title	OEc
Participants/ target group	Machine Operators and/or Technical staff
Participants per seminar	Min. 6 per target group
Prerequisite	-
Required equipment	• Computer/device with internet access
Objectives	Objective of the Online Evaluation is to: – provide a general overview of the theoretical knowledge of the staff – serve as a basis for further personnel development recommendations
Contents	• Online test with multiple-choice questions on topics such as: – hygiene – safety – processes – material – carton checks – handling of the filling machine and/or applicator – electrical/mechanical system (only technical staff)
Conclusion	Evaluation report
Duration	Approx. 45 minutes

On-site Evaluation

Title	SEc
Participants/ target group	Machine Operators and/or Technical staff
Participants per seminar	Min. 6 per target group
Prerequisite	-
Required equipment	•
Objectives	Objective of the On-site Evaluation is to: – identify knowledge gaps of the staff during production – serve as a basis for further personnel development recommendations
Contents	• Production-accompanying analysis of – the handling of SIG equipment – the handling of production material – workflows in exceptional situations – hygienic processes at the SIG filling process
Conclusion	Evaluation report
Duration	2 days

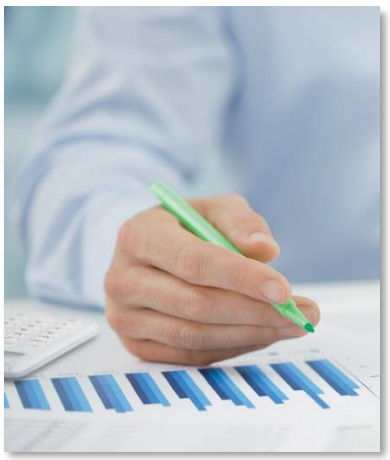
Personnel Assessment

Title	PAc
Participants/ target group	Machine Operators and Technical staff
Participants per seminar	NA
Prerequisite	-
Required equipment	• safety shoes • working clothes • filling machine (if conducted on customer site)
Objectives	The aim of the Personnel Assessment is to: • evaluate and assess the theoretical and practical knowledge of customer staff working on SIG Combibloc filling lines • identify skills • provide recommendations for further employee development
Contents	• Individual theoretical and practical examination consisting of practical exercises and open and multiple-choice questions on topics such as: For operators: – system operation – carton check – hygiene – processes – safety For technicians: – mechanical system knowledge – electrical system knowledge – troubleshooting – correlation of package and machine components – SIG documentation, electrical drawings – safety
Seminar conclusion:	Comprehensive evaluation report for each individual participant
Training methods	Practical work orders, theoretical test, interview
Duration	1 day per participant

Note: This Assessment can be carried out at one of the SIG Combibloc training centres or at the customer's production site, provided a filling machine is available for the duration of the assessment.

5 Other seminars

System Management Training



The System Management Training is offered to customer staff working as production managers, shift leaders, supervisors and QM staff. It provides knowledge on the complete aseptically-operating packaging system and teaches the participants how to control and optimize production and quality.

Quality Control Training

This course for laboratory staff focuses on aseptics and microbiology with respect to the SIG Combibloc filling process. The participants learn about the function and operation of the filling machine, the basic principles of aseptic filling and the monitoring of a sterile filling process.

Management Information Training

Title	MIc
Participants/ target group	Upper and middle management levels, plant and department managers, supervisors of SIG Combibloc customers
Participants per seminar	max. 4
Prerequisite	Basic technical knowledge
Required equipment	• safety shoes • working clothes
Objectives	After successful completion the participant should be able to: • understand the complete aseptically-operating packaging systems • start plant-specific measures for – production control and optimization – quality assurance – line maintenance (filler and final packaging) – staff qualifications
Seminar contents	• SIG Combibloc company presentation, incl. plant tour • system summary and structure of packaging • aseptics and microbiology • sanitary measures, cleaning, disinfection and sterilization • control measures and quality assurance • monitoring functions, ECS • maintenance works, inspections and repair works • documentation • safety measures • employee training • environmental protection, the package as a valuable reusable material
Seminar conclusion:	Final meeting and discussion
Training methods	Seminar discussion, lecture, demonstration at the SIG Combibloc filling machine, carton tests approx. 80 % theoretical and 20 % practical work
Duration	3 days

Quality Control Training for Laboratory staff

Title	QCc
Participants/ target group	Laboratory staff
Participants per seminar	min. 3 – max. 10
Prerequisite	Vocational education in laboratory or a minimum of 3 months experience in laboratory work
Objectives	After successful completion the participant should be able to: • monitor sterility of production • detect package faults • understand function and processes of the filling machine • understand aseptic basics • analyze unsterile packages and trace for reasons of unsterilities • do the microbiological controls of the filled package • manage complaints
Seminar contents	• microbiology, micro organisms, growth factor/eliminating microorganisms • aseptics • hygiene: cleaning, disinfection, sterilization • processes: upstream, tank, valve block • filling machine: design and function, cleaning, sterilization and production • packaging material and tests • sterile acceptance • microbiology production controls • planning of sampling and statistics • procedure for unsterilities • practical work in the laboratory • control of cleaning • laboratory equipment • complaint management • HACCP • zero sample
Training methods	Discussion, lecture, laboratory work, final test 80 % theoretical and 20 % practical work
Duration	3 days

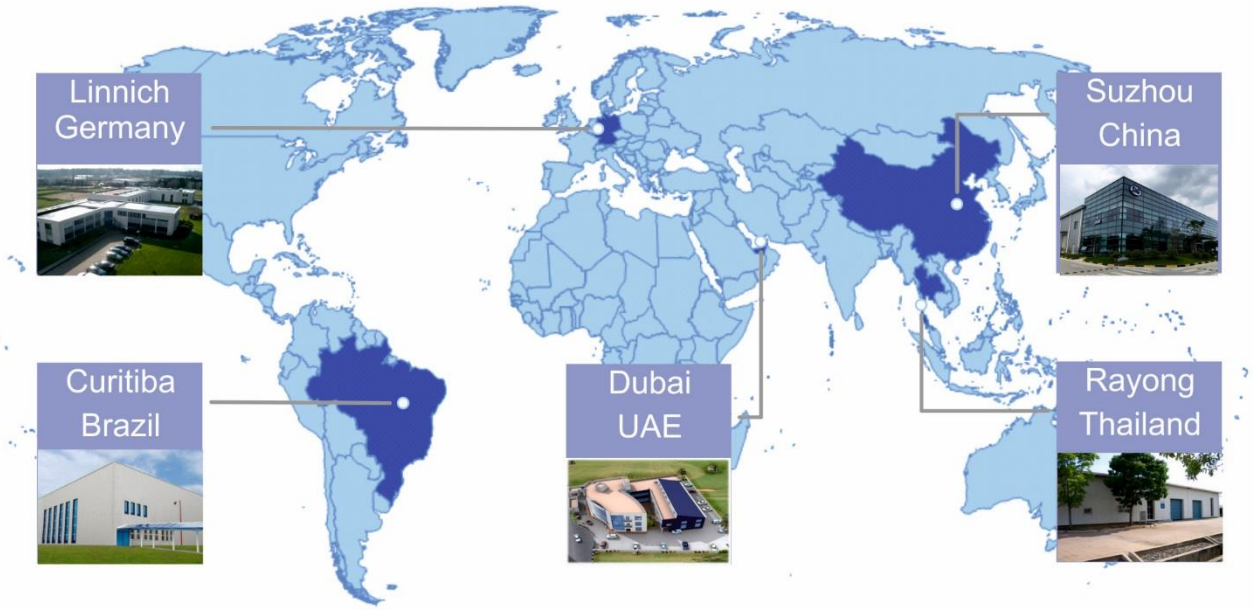
Note: This training can only be held on customer site. The training content may change according to customer requirements.

6 Locations and booking information

SIG Training Centers worldwide

In our well equipped Training Centers we provide practical and theoretical trainings by certified and authorized SIG Combibloc trainers.

If requested, certain trainings can also be held on customer site, providing a filling machine is available. Please contact your local Training Center for more information.



Curitiba

Training Center Curitiba (Brazil)
SIG Combibloc do Brasil Ltda
Rodovia, BR 277 -120,4 KM
83605-590 - Campo Largo/Paraná - Brasil
Telephone +55 41 3032-8980
sigcombibloc.bra@sig.biz

Seminar time schedule

Monday	10:00 – 16:00
Tuesday	8:00 – 16:00
Wednesday	8:00 – 16:00
Thursday	8:00 – 16:00
Friday	8:00 – 12:00

Machines at the Training Center Curitiba

- CFA 812-35
- CFA 712-32 (from October 2020)
- Buffer Table (HSP)
- Transport System (FT)
- ACF

Your contact

Training Manager
Joao Teles
E-mail: joao.teles@sig.biz

Dubai

Training Center Dubai (UAE)
SIG Combibloc Obeikan FZCO
Regional Headquarters
Dubai Silicon Oasis
Opp. Cedar Villas
PO Box #54335
Dubai, United Arab Emirates
Telephone +97 14 2996262
training.cbob@sig.biz

Seminar time schedule

Sunday	9:00 – 16:00
Monday	8:00 – 16:00
Tuesday	8:00 – 16:00
Wednesday	8:00 – 16:00
Thursday	8:00 – 16:00

Machines at the Training Center Dubai

- CFA 124-37
- Downstream X24 with Geyssel straw applicator

Your contact

Training Administrator
Jocelyn Cruz
E-mail: jocelyn.cruz@sig.biz

Linnich

Training Center Linnich (Germany)
SIG Combibloc GmbH
Rurstrasse 58 D-52441 Linnich, Germany
Phone +49 (24 62) 79-2964
TC-Linnich@sig.biz

Seminar time schedule

Monday	10:30 – 17:00
Tuesday	8:00 – 16:00
Wednesday	8:00 – 16:00
Thursday	8:00 – 16:00
Friday	8:00 – 12:00

Machines at the Training Center Linnich

- CFA 112-32
- CFA 124-36 with R-CAM
- CDA 1012-36
- CFA 209-32
- CFA 310-32 with CAM
- CFA 312-35 with CAM (ELAU, one cut)
- CFA 612-37 Food
- CFA 712-32 DrinksPlus with CAM (ELAU, one cut)
- ACB/F
- ACB/F ELAU
- CFA 1824-37 (July 2021)
- ACS (July 2021)
- ACR (July 2021)

Your contact

Training Center Manager Europe
Eric Mathias
E-mail: eric.mathias@sig.biz

Training Organization Specialist
Gisela Heutz
E-mail: gisela.heutz@sig.biz

Rayong

Training Center Rayong (Thailand)
SIG Combibloc Ltd.
33 Moo 4, Highway No. 331
Amphur Pluakdaeng
Rayong 21140, Thailand
Phone +66-922-478-221
piri.crooks@sig.biz

Seminar time schedule

Monday	8:30 – 16:00
Tuesday	8:30 – 16:00
Wednesday	8:30 – 16:00
Thursday	8:30 – 16:00
Friday	8:30 – 16:00

Machines at the Training Center Rayong

- CFA 712-32
- CFA 1224-36
- Downstream - CM/FT, CM/HSP, CM/HHS, CM/HTW, SeOil 500A8 Straw Applicator

Your contact

Head of Training AP-S
Piri Crooks
E-mail: piri.crooks@sig.biz

Training Administrator
Pennapa Lertkittipaiboon
E-mail: pennapa.lertkittipaiboon@sig.biz

Suzhou

Training Center Suzhou (China)
SIG Combibloc (Suzhou) Co., Ltd
No.58 Xia Zhuang Road
Suzhou Industrial Park
Suzhou 215021
P.R.China
rex.yan@sig.biz

Seminar time schedule

Monday	9:00 – 16:30
Tuesday	8:00 – 16:30
Wednesday	8:00 – 16:30
Thursday	8:00 – 16:30
Friday	8:00 – 16:30

Machines at the Training Center Suzhou

- CFA 712-32
- CFA 124-36
- CFA 1724-37
- ACR
- ACS

Your contact

Head of Technical Training AP-N
Edwards Huang
E-mail: edwards.huang@sig.biz

Training Planner
Caroline Zhang
E-mail: caroline.zhang@sig.biz

Booking

For bookings please contact your local SIG Combibloc Service representative or directly the Training Center in your region. You will find the contact details on the previous pages.

Cancellations

Cancellations are free of charge if we receive them six weeks before the start of the seminar. If received less than six weeks in advance, 60% of the seminar costs will be charged. Cancellations less than four weeks before the start of the seminar will be charged for 80% and the full seminar costs will be charged for cancellation less than two weeks in advance.

Accommodation and transfer

If requested, we are happy to assist you with your accommodation reservation. Please send us the names and travel details of the participants at least 2 weeks before the start of the seminar.

We can also organize your transfer from the airport or train station to your hotel and your daily transfer to the Training Center. Please contact our Training Center Administrator/Coordinator if you would like to make use of this service.