

**Find your
training**

Pharma Inspection

Academy product catalogue

This catalogue contains all inspection training courses for the inspection machines of Körber Business Area Pharma.



[Our learning platform](#)



[Pharma Academy website](#)



[Get in touch with us](#)



Table of contents

Introducing the Academy	3
Overarching trainings	4
HMI Basic (E-learning)	4
Knapp Test (E-learning).....	4
Spare Parts App (E-learning)	5
Trainings for semi-automatic machines	6
V90+ Operator (E-learning)	6
V90+ Maintenance (E-learning).....	6
V90+ Troubleshooting (E-learning).....	7
V90+ Light Calibration (E-learning).....	7
V90+ Operator Training (ILT).....	8
V90+ Maintenance Training (ILT)	8
Trainings for fully-automatic machines.....	9
Operator Training (ILT)	9
Maintenance Training (ILT).....	9
Vision trainings.....	10
Vision Basic Training (Blended learning).....	10
Part 1 Vision Introduction (E-learning).....	10
Part 2 SVIM Basic Training (ILT).....	11
Vision Application Training (ILT)	12
Trainings for machines with HVLD	13
Safety – For machines with HVLD (E-learning)	13
HV Application Training (ILT).....	13
What now?	14

to return to this content page at any time,
click on the blue hat



Introducing the Academy

Körbers pharmaceutical inspection machines are packed with complex machine parts and hard- and software that work together to deliver the best inspection results. If you want to get the best results and have as little machine downtime as possible, it is essential to have perfectly qualified staff working with the machine.

For that, the Academy offers high-quality training for your entire team. The trainings are targeted, flexible (on-site or in a digital format) and cost-efficient. With them, you and your team will constantly expand your knowledge about the machine, develop expertise how to handle even unexpected situations and inspect your products successfully.

Training approach

Learning is more than passively absorbing information. Therefore, we include these 4 aspects in our trainings:



Explore new concepts and discover new information about your inspection machine.

Apply knowledge and skills and deepen your machine knowledge with interactive, hands-on training options.

Evaluate your performance and assess whether you are already confident enough to advance to the next chapter.

Review training material any time after completing the training to refresh your knowledge.

Course design



We offer: Instructor-led Training



E-learning



Blended Learning

Our courses are structured in levels: There is the **basic** level for people who are not familiar with a topic and the **advanced** level for experienced learners. We also differentiate some of our trainings into **operator** and **maintenance** trainings, so they fit the needs of our individual target audience and everyone learns exactly what they need to know.

Since hands-on knowledge is the priority for learners to gain experience on our machines, we emphasize this in the development of our interactive online courses. For that purpose, we use elements such as 3D machine models, videos, interactive tasks, graphs and meaningful quizzes to keep up learner engagement.

Looking for more details? Please see our detailed course offer below.

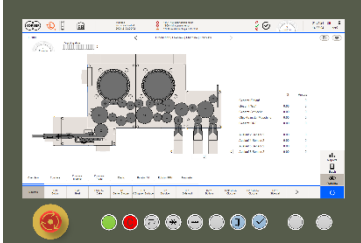


Overarching trainings

Product ID: 10031611

HMI Basic (E-learning)

Training objective



In this training you will learn about the basics of the human machine interface (HMI) on our pharmaceutical inspection machines, allowing you to navigate and operate the system efficiently. You will learn how to solve common issues and optimize machine performance.

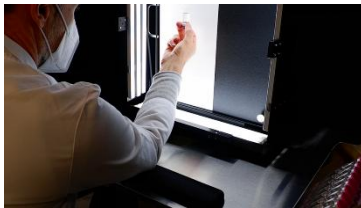
- Buttons at the HMI panel
- First steps
- Operating modes
- Overview
- Reports

Target group	Production staff, operators, maintenance staff, technicians, supervisors, QA, administrators
Previous experience	None
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 2.5 h
Language	English
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031435

Knapp Test (E-learning)

Training objective



This training describes the background and preparation of the Knapp test, how to perform the test (manual inspection vs. automatic inspection), the calculation of Knapp efficiency and report generation.

Target group	Production staff, operators, technician
Previous experience	None
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 0.5 h
Language	English
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031533

Spare Parts App (E-learning)

Training objective



In order to be able to order spare parts practically and at any time, it is essential to operate the Smart Maintenance Spare Parts app. This training introduces the software and its most important functions.

Target group	Production staff, operators, technicians
Previous experience	None
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 20 mins
Language	English
Equipment to be provided by customer	Personal computer with internet access, headset

Trainings for semi-automatic machines

Product ID: 100000656

V90+ Operator (E-learning)

Training objective



Ability to use the V90+ semi-automatic inspection machine and knowledge about operating the machine in production, specifically:

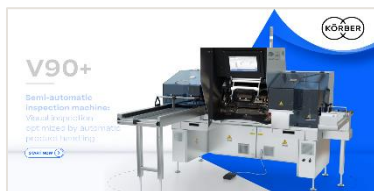
- Technical setup
- Startup procedure
- Batch loading process
- Machine operation
- Notification messages
- Ending an operation
- Batch closure requirements
- Machine cleaning

Target group	Production staff, operators
Previous experience	None
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 3 h
Language	English, German
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031414

V90+ Maintenance (E-learning)

Training objective



Ability to use and maintain the V90+ semi-automatic inspection machine and knowledge about operating the machine in production and standard maintenance:

- Technical setup
- Notification messages (advanced)
- Operating modes
- Maintenance tasks
- HMI
- Test run / verification
- Maintenance intervals
- Maintenance management, reliability and safety

Target group	Production staff, maintenance staff, technicians
Previous experience	Technical background
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 3 h
Language	English, German
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031523

V90+ Troubleshooting (E-learning)

Training objective



Ability to solve typical problems with the V90+ semi-automatic inspection machine, regarding the topics:

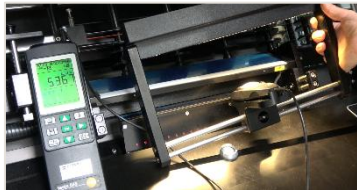
- Light sources
- Safety components
- Battery exchange
- Power supply unit
- O-rings & lateral guidance
- Recipe management
- User groups & access rights
- Teaching
- Resetting a sensor
- Smart maintenance spare parts app
- Customer support tickets

Target group	Technicians, supervisors, QA, administrators
Previous experience	Technical background, experience with the V90+
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 3.5 h
Language	English, German
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031297

V90+ Light Calibration (E-learning)

Training objective



Understanding of the procedure of calibrating the different light sources for V90+ (front tyndall lights, axial tyndall light, behind tyndall light):

- Introduction
- Safety rules and responsibilities
- Calibration setup
- Calibration procedure
- Performance verification

Target group	Production staff, technicians
Previous experience	Technical background
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 1 h
Language	English
Equipment to be provided by customer	Personal computer with internet access, headset

Product ID: 10031494

V90+ Operator Training (ILT)

Training objective



Ability to use the V90+ semi-automatic inspection machine and knowledge about operating the machine in production, specifically:

- Machine overview
- Process technology
- HMI basic explanation and operation
- Production
- Cleaning
- Alarm interpretation
- Introduction of machine documentation

Target group

Production staff, operators

Previous experience

None

Delivery type

Instructor-led training (at customer site)

Duration

1+ days, duration tailored to customer requirements

Max. participants

6

Language

English, German

Equipment to be provided by customer

The machine must be available with sufficient sample material for operation the entire time.

Product ID: 10031493

V90+ Maintenance Training (ILT)

Training objective



Ability to use and maintain the V90+ semi-automatic inspection machine and knowledge about operating the machine in production and standard maintenance:

- Technical setup
- Notification messages / Alarm interpretation
- Operating modes
- Maintenance tasks
- HMI
- Test run / verification
- Maintenance intervals
- Documentation and spare part information

Target group

Production staff, maintenance staff, technicians

Previous experience

None

Delivery type

Instructor-led training (at customer site)

Duration

2+ days, duration tailored to customer requirements

Max. participants

4

Language

English, German

Equipment to be provided by customer

The machine must be available with sufficient sample material for operation the entire time.

Trainings for fully-automatic machines

Product ID: 10031483

Operator Training (ILT)

Training objective



Proficient usage of the machine and detailed information for operation in production.

- Basics
- Overview components
- HMI explanation and operation
- Format changeover for existing recipe
- Production
- Cleaning during and after production
- Standard operator troubleshooting

Target group	Production staff, operators
Previous experience	None
Delivery type	Instructor-led training (at customer site)
Duration	1+ days, duration tailored to customer requirements
Max. participants	6
Language	English, German
Equipment to be provided by customer	The machine system must be available with sufficient sample material for operation the entire time.

Product ID: 10031481

Maintenance Training (ILT)

Training objective



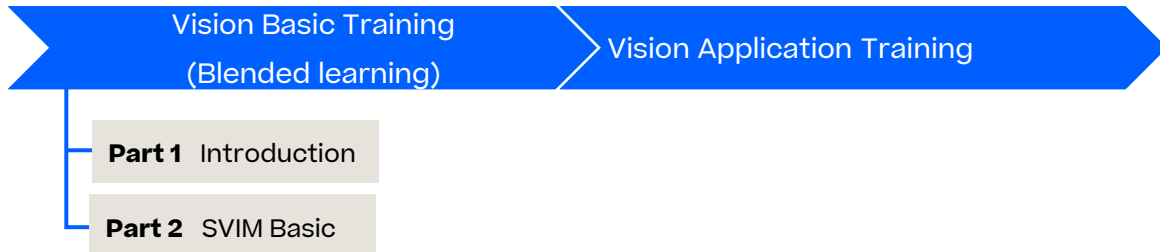
Proficient usage and maintenance of the machine and detailed information about technical components and maintenance.

- Detailed information about components
- Extended HMI explanation and maintenance
- Format changeover for maintenance
- Cleaning during and after production
- Recipe management
- Extended troubleshooting
- Standard maintenance intervals
- Documentation and spare part information

Target group	Production staff, technician
Previous experience	Technical background
Delivery type	Instructor-led training (at customer site)
Duration	2+ days, duration tailored to customer requirements
Max. participants	4
Language	English, German
Equipment to be provided by customer	The machine system must be available with sufficient sample material for operation the entire time.

Vision trainings

For vision trainings, we highly recommend the following training path:



Product ID: 10031290

Vision Basic Training (Blended learning)

Contains two parts:

- Part 1:** Vision Introduction (E-learning)
- Part 2:** SVIM Basic Training (Instructor-led training)

All parts can also be booked individually.

Product ID: 10031296

Part 1 Vision Introduction (E-learning)

Training objective



Basic knowledge about camera inspection and the hardware (SVIM) and software (SVObserver) for machine vision.

- Hardware overview
- Background information
- Toolset structure
- Troubleshooting

Target group	Supervisors, maintenance staff, QA, administrators
Previous experience	Technical background
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 2.5 h
Language	English, German
Equipment to be provided by customer	Personal computer with internet access, headset

Part 2 SVIM Basic Training (ILT)

Training objective



Basics about camera inspection and application of the hardware (SVIM) and software (SVObserver) for machine vision.

- Basics
- First steps of camera and lens adjustment
- Operation of SVIM (machine vision module) and SVObserver (machine vision program)
- Window tool with luminance analyzer
- Linear tool – measurement
- Math tool – calculation
- Shift / Transformation tool – reference
- Binarization – conversion to a binary image
- Image tool – image operations
- Image treatment – filter, mask, LUT
- Window tool with pixel- and blob-analyzer
- Conditional – control the execution
- Archive tool – store images and results
- Regression test mode

Target group	Supervisors, maintenance staff, QA, administrators
Previous experience	Technical background
Delivery type	Option 1: Instructor-led training at Körber Pharma Inspection in Markt Schwaben Option 2: Instructor-led training at customer site
Duration	3 days
Max. participants	6
Language	English, German
Equipment to be provided by customer	Option 2: Separate room with enough capacity for all training participants

Product ID: 10031488

Vision Application Training (ILT)

Training objective



Consolidated knowledge about your application.

- Detailed information about machine vision components
- HMI explanation and operation for supervisor
- Explanation of the vision inspection configuration for each camera station
- Defect categories and definition for good / bad products
- Assignment of defects to camera stations
- Machine vision documentation
- Machine communication (SVIM – PLC – HMI)

Target group

Supervisors, maintenance staff, QA, administrators

Previous experience

SVIM Basic Training or comparable knowledge about technical image processing

Delivery type

Instructor-led training (at customer site or at Körber Pharma Inspection site possible to a limited extent)

Duration

1+ days, duration tailored to customer requirements

Max. participants

6

Language

English, German

Equipment to be provided by customer

The machine must be available with sufficient sample material for operation the entire time.

Trainings for machines with HVLD

Product ID: 10031480

Safety – For machines with HVLD (E-learning)

Training objective



Detailed knowledge about safety issues for machines with HVLD, which must be observed with special caution:

- Before working with a machine with HVLD
- While working with or inside a machine with HVLD
- In case of failure or fire

Target group	(Electro)-technicians
Previous experience	Technical background, knowledge about HVLD
Delivery type	E-learning (location: Academy Learning Platform)
Duration	Approx. 0.5 h
Language	English, German
Equipment to be provided by customer	Personal computer with internet access, headset
Validity of the certification	1 year

Product ID: 10031476

HV Application Training (ILT)

Training objective



Consolidated knowledge about your application HV Basics

- Dangers and safety precautions (high voltage, ozone)
- Setup of the HV module
- HV test runs
- Evaluation of HV parameters

Target group	Supervisors, maintenance staff, QA, administrators
Previous experience	Technical background
Delivery type	Instructor-led training (at customer site)
Duration	1 day
Max. participants	6
Language	English, German
Equipment to be provided by customer	The fully automatic machine must be available with sufficient sample material for operation the entire time.



What now?

Coming soon:

- E-learning courses about fully automatic inspection machines
- E-learning courses about B.R.A.I.N

If you are interested in one or more trainings or have further questions, please feel free to contact academy.inspection@koerber.com

As we are constantly revising and expanding our training catalogue, we would also be pleased if you have a specific training need that the Academy could help you with in the future.

