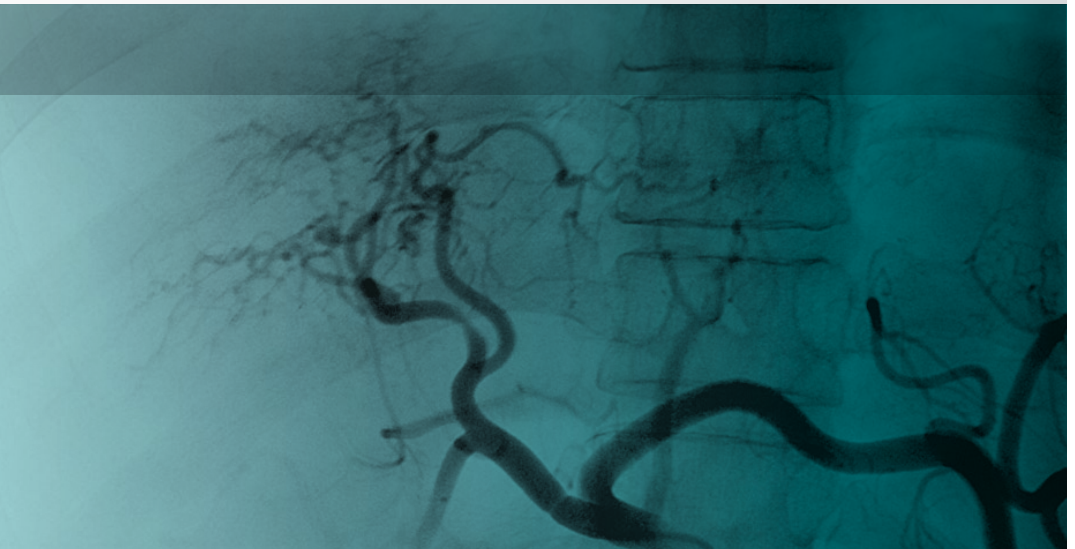


Training Program 2024

Where Education Meets Technology

January – December 2024



At Ziehm Imaging, we are strongly committed to our customers and their patients. Which means a great deal more than developing top-of-the-range products. Through Ziehm Academy, we empower our partners with the knowledge, skills and insight they need to get the most out of our products. Our courses balance theory with hands-on experience to reveal the full benefits of our exceptional units. We look forward to welcoming you to our courses in 2024.

Please register online for our courses at academy.ziehm.com



01 / Medical Physicists Training

Enabling hospitals' medical physicists

This training course covers knowledge in X-ray technologies, image quality and dose management with our mobile C-arms. Hands-on training on image quality, calibration in 3D imaging as well as dose measurements in 2D/3D are included in this course.

With the acquired knowledge, the medical physicist will be able to effectively and efficiently support the commissioning of a Ziehm Imaging system within their hospital/clinic.

Learning goals

- Provide an overview on X-ray technologies
- Explain basic functionality of the imaging chain (tube, detector, image processing incl. ZAIP and ODDC)
- Provide an overview of how to carry out dose measurements and image quality checks
- Explain fluoroscopic dose metrics
- Provide hands-on on 3D scans and calibration
- Provide hands-on on 2D covering Acceptance Tests

Medical Physicists

Training

en 27 28 May

en 01 02 Oct.

If not stated differently, the On-Site courses are held in Germany (Nuremberg).

Prices on request.

en: Course held in English

02 / Clinical & Application, and Sales Training

Empowering our distributors and sales partners

Offered as separate courses, Clinical & Application and Sales. The CA Basis training covers basis knowledge in anatomy and C-arm technology with an overview of the Ziehm Vision based systems. More experienced sales and application specialists can directly attend the CA Advanced training, covering cardiovascular applications, hybrid room applications, image quality, 3D and navigation applications and DICOM. For specific sales topics (i.e. competitor advantage, selling points) please come to our Sales trainings for specific products.

We recommend attending both Clinical & Application, and Sales training for a complete overview.



If not stated differently, the On-Site courses are held in Germany (Nuremberg)

Learning goals

- Get an overview on user interface functions and system customization
- Share knowledge about clinical application workflows
- Bring sales and application specialists up to speed on Ziehm Imaging C-arms (positioning and applications incl.)
- Deepen knowledge about hybrid room applications
- Strengthen understanding of benefits and applications of intraoperative 3D imaging and navigation tools
- Refresh or deepen networking and DICOM skills across different configurations
- Apply strategies for image quality optimization in different applications

Training on request

For doctors, nursing staff, MTRAs, students. Topics include X-ray technologies, image quality, special applications. Participant numbers depend on topic. Training must be requested via e-mail to "academy@ziehm.com" at least three months before the suggested date.

Basis

Clinical & Application

Basis Training

en 06 07 08 Mar.
 en 05 06 07 June
 en 04 05 06 Sep.
 en 04 05 06 Dec.

Sales Orthoscan

en 15 Mar.
 en 14 June
 en 13 Sep.
 en 13 Dec.

Image Quality

en 14 Mar.
 en 13 June
 en 12 Sep.
 en 12 Dec.

CA & Sales Therenva EndoSize/EndoNaut

en 04 05 Mar.
 en 03 04 June
 en 18 19 Nov.

CA Fysicon QMAPP Hemodynamic System

Courses on request

Sales Fysicon QMAPP Hemodynamic System

Courses on request

Advanced*

Clinical & Application

Advanced Training

en 11 12 13 Mar.
 en 10 11 12 June
 en 09 10 11 Sep.
 en 09 10 11 Dec.

Prices on request.
 Practical experience between courses is strongly recommended.

en: Course held in English

* Prerequisite: Participants shall be familiar with the basic use of mobile C-arms.

03 / Hospital Technicians Training

Improving hospital in-house service

These training courses are designed specifically for hospital technicians responsible for servicing our mobile C-arms. The engineers gain a deeper understanding of Ziehm Imaging product functionality, learning basic mobile C-arm maintenance procedures and the differences between the various hardware and software versions. These courses also cover all aspects of service strategies, from service levels to troubleshooting and fault detection. The knowledge gained during these courses allows in-house technicians to solve most commonly encountered issues quickly and efficiently.



If not stated differently, the On-Site courses are held in Germany (Nuremberg)

Basis

Ziehm Vision Family Basis

en	15 16 17 18	Jan.
de	25 26 27	Mar.
en	15 16 17	Apr.
en	10 11 12	June
de	17 18 19	June
en	04 05 06	Sep.
de	28 29 30	Oct.
en	20 21 22	Nov.
de	09 10 11	Dec.

Orthoscan

de	28	Mar.
en	18	Apr.
en	13	June
de	20	June
en	03	Sep.
de	31	Oct.
en	19	Nov.
de	12	Dec.

Learning goals

- Provide a technical overview of mobile C-arms and their components, incl. monoblock generator technology
- Adjustment of the C-arm, positioning and measurement of dose and dose protection
- Cover basic functionality of different hardware and software versions
- Explain service strategies, including service levels and troubleshooting strategies and tips
- Provide hands-on software installation assistance
- DICOM configuration basics

Orthoscan Hospital Technicians Training

One day training for hospital technicians that need to provide first-level service support for Orthoscan systems. This course covers an overview on the components inside the system and their interaction.

NEW Hospital Technicians Training Ziehm Vision Family Extended

Please see our website. Registrations are in agreement with your Ziehm Imaging Business Manager.

Ziehm Vision Family Extended

fin	19 20 21 22 23	Feb.
de	13 14 15 16 17	May
en	24 25 26 27 28	June
de	04 05 06 07 08	Nov.
en	16 17 18 19 20	Dec.

Prices on request.
Practical experience between courses is strongly recommended.

en: Course held in English
de: Course held in German
fin: Course held in Finnish

* Prerequisite: Participants shall be familiar with the basic use of mobile C-arms.

04 / Technical Service Training

In-depth troubleshooting for our service partners and distributors

These training courses have been designed specifically for technicians responsible for service issues related to our mobile C-arms. It gives course participants an in-depth understanding of the design and configuration of all hardware and software building blocks and how they interwork. We back up our theoretical coaching with hands-on training and troubleshooting exercises based on real error cases. These courses give service partners the technical foundation they need to solve complex issues in the field.



DE

Learning goals

- Strengthen participants' understanding of the different components of Ziehm Imaging's technologies including troubleshooting strategies
- Provide hands-on software installation assistance and interactive workshops
- Give a technical overview of mobile C-arms and their technical set-up also covering generator technologies
- Deepen participants' knowledge of different flat-panel technologies
- Facilitate the relevant skills for servicing our latest product innovations Ziehm Vision RFD Hybrid Edition and Ziehm Vision RFD 3D



New Technical Service Training Concept

Since 2021 we offer a new structure to our Technical Service Trainings – a blended learning approach with a flexible combination of online and/or on-site training.

Our service partners will now be able to part-qualify for specific service tasks and maintenance or fully-qualify for all complex service assignments depending on their expertise and their company's needs.

On-Line Training is a mix of self-learning and preparation online and virtual classroom sessions, with tests to check progress and understanding. Training can pause here, or service engineers proceed to on-site classroom training.

On-Site Training, here in Nuremberg, Germany, will give the hands-on practise needed to perform the full range of higher-level service tasks on Ziehm Imaging's X-ray units.

On-Line Training

On-Site Training

On-Line Training

On-Site Training

PRODUCT	Ziehm Vision Family Basis	Ziehm Vision Family Advanced	Ziehm 8000	Ziehm Vision Family Basis	Ziehm Vision Family Advanced	Ziehm NaviPort 3D	Ziehm Vision (FD) Vario 3D	Ziehm 8000
Ziehm Solo	✓✓			✓✓				
Ziehm Solo FD	✓✓			✓✓				
Ziehm Vision	✓✓			✓✓				
Ziehm Vision FD	✓✓			✓✓				
Ziehm Vision R		✓✓			✓✓			
Ziehm Vision RFD		✓✓			✓✓			
Ziehm Vision RFD HE					✓✓			
Ziehm Vision RFD 3D					✓✓			
Ziehm NaviPort 3D								
Stryker						✓✓		
Brainlab						✓✓		
Medtronic						✓✓		
Ziehm Vision (FD) Vario 3D							✓✓	
Ziehm 8000			✓✓					✓✓

PRODUCT	Orthoscan FD, UC & MDI	Orthoscan TAU	Orthoscan FD, UC & MDI	Orthoscan TAU
Orthoscan FD Pulse	✓✓		✓✓	
Orthoscan FD-OR	✓✓		✓✓	
Orthoscan MDI	✓✓		✓✓	
Orthoscan UC/HD	✓✓		✓✓	
Orthoscan TAU		✓✓		✓✓

ACHIEVED QUALIFICATION Service with restriction ✓✓ Full service ✓✓

Example: To obtain the Full Service Qualification of Ziehm Vision RFD, you must complete the following courses:

- 1) On-Line Trainings:
 - Ziehm Vision Family Basis
 - Ziehm Vision Family Advanced
- 2) On-Site Trainings:
 - Ziehm Vision Family Basis
 - Ziehm Vision Family Advanced

Basis

Ziehm Vision Family Basis

ON-LINE

VC1+2	VC3+4	VC5+6	VC7+8
en 18 19 Jan.	en 25 26 Jan.	en 22 23 Jan.	en 29 30 Jan.
en 26 27 Feb.	en 07 08 Mar.	en 01 02 Feb.	en 05 06 Feb.
en 21 22 Mar.	en 03 04 Apr.	en 14 15 Mar.	en 18 19 Mar.
en 06 07 May	en 15 16 May	en 15 16 Apr.	en 17 18 Apr.
en 20 21 June	en 04 05 July	en 23 24 May	en 28 29 May
en 14 15 Aug.	en 22 23 Aug.	en 22 23 July	en 25 26 July
en 24 25 Sep.	en 08 09 Oct.	en 29 30 Aug.	en 02 03 Sep.
en 01 02 Oct.	en 10 11 Oct.	en 16 17 Oct.	en 24 25 Oct.
en 07 08 Nov.	en 14 15 Nov.	en 04 05 Nov.	en 18 19 Nov.
en 09 10 Dec.	en 19 20 Dec.	en 21 22 Nov.	en 25 26 Nov.
		en in 2025	en in 2025

On-Line courses in Chinese on request.

ON-SITE

On-Site courses on request:
 - in Chinese in China
 - in Russian in Germany
 - in Italian in Germany

Courses held in Singapore:
 en 15 16 17 18 19 Apr.
 en 19 20 21 22 23 Aug.

Advanced*

Ziehm Vision Family Advanced

ON-LINE

VC1+2

e-learning ✓

en 28 29 Feb.
en 25 26 Mar.
en 24 25 Apr.
en 04 05 June
en 16 17 Sep.
en 27 28 Nov.
en 03 04 Dec.

On-Line courses in Chinese on request.

ON-SITE

en 11 12 13 14 15 Mar.
en 10 11 12 13 14 June
en 15 16 17 18 19 July
en 09 10 11 12 13 Sep.
en 11 12 13 14 15 Nov.
en 09 10 11 12 13 Dec.

Courses held in Singapore:
 en 22 23 24 25 26 Apr.
 en 26 27 28 29 30 Aug.

Courses held in China:
 zh 09 10 11 12 13 Sep.

Ziehm 8000

ON-LINE

VC1+2	VC3+4
en 04 05 Mar.	en 11 12 Mar.
en 17 18 June	en 24 25 June
en 28 29 Oct.	en 30 31 Oct.
en 05 06 Dec.	en 11 12 Dec.

ON-SITE

en 17 18 19 Jan.
en 14 15 16 May
en 03 04 05 July
en 30 01 02 Sep.-Oct.

Orthoscan TAU

ON-LINE

VC1+2+3

e-learning ✓

en 10 11 12 Apr.
en 10 11 12 June
en 07 08 09 Aug.
en 11 12 13 Nov.
en 16 17 18 Dec.

ON-SITE

en 21 Feb
en 30 Apr.
en 26 June
en 02 Oct.
en 03 Dec.

Ziehm Vision (FD) Vario 3D

ON-SITE

en 25 26 Apr.
en 25 26 July
en 21 22 Nov.

Ziehm NaviPort 3D

ON-SITE

Stryker	Brainlab	Medtronic
en 22 Apr.	en 23 Apr.	en 24 Apr.
en 24 June	en 25 June	en 26 June
en 22 July	en 23 July	en 24 July
en 18 Nov.	en 19 Nov.	en 20 Nov.

Orthoscan FD, UC & MDI

ON-LINE

VC1+2

e-learning ✓

en 08 09 Apr.
en 06 07 June
en 05 06 Aug.
en 14 15 Oct.

ON-SITE

en 29 Apr.
en 25 June
en 01 Oct.
en 02 Dec.

Therenva EndoSize/ EndoNaut

ON-SITE

en 06 Mar.
en 05 June
en 20 Nov.

Stille imagiQ2 certified service training

ON-SITE

en 29 30 Apr.
en 02 03 Sep.

Fysicon QMAPP Hemodynamic System

ON-SITE

Courses on request

Software Insights: Advanced Updates

ON-SITE

en 18 19 Mar.
en 29 30 July
en 02 03 Sep.
en 16 17 Dec.

Expert

CAN Troubleshooting

ON-SITE

en 20 21 Mar.
en 31 01 July - Aug.
en 04 05 Sep.
en 18 19 Dec.

Prices on request.
 Practical experience between courses is strongly recommended.
 en: Course held in English
 zh: Course held in Chinese
 VC: Virtual Classroom
 * Prerequisite: Participants shall be familiar with the basic use of mobile C-arms.

US

Training in Orlando

Training in our Ziehm Academy in Orlando, USA is classic classroom training, combining theoretical know how with hands-on practice to enable service technicians, biomedical engineers, application and sales specialists to manage all topics and issues related to our mobile C-arms.

Individual courses on request

Individual US courses for Ziehm NaviPort, Testing and Troubleshooting:
Please contact our office in Orlando.

Hospital Technicians Training in USA

On-site training for hospital technicians/engineers available in USA under the name of "BioMed Training" (HTT Ziehm Vision Family). Please contact our Orlando office for information regarding BioMed training in the USA.

All On-Site courses located in United States of America (Orlando/Scottsdale)/by invitation only

Basis

TST Mini Legacy

en 23 24 25 26 Jan.
en 16 17 18 19 Apr.
en 16 17 18 19 July
en 08 09 10 11 Oct.

TST Orthoscan TAU

en 29 30 31 01 Jan.–Feb.
en 22 23 24 25 Apr.
en 22 23 24 25 July
en 14 15 16 17 Oct.

Biomedical Engineer Mini C-arm

en 03 04 05 06 June
en 16 17 18 19 Dec.

TST Ziehm Vision Family Basis

Ziehm Solo, FD

en 19 20 21 22 23 Feb.
en 13 14 15 16 17 May
en 19 20 21 22 23 Aug.
en 28 29 30 31 01 Oct.–Nov.

HTT Ziehm Vision Family

en 11 12 13 14 15 Mar.
en 10 11 12 13 14 June
en 09 10 11 12 13 Sep.
en 09 10 11 12 13 Dec.

Advanced*

TST Ziehm Vision Family Advanced

Ziehm Vision, FD, R, RFD

en 26 27 28 29 01 Feb.–Mar.
en 20 21 22 23 24 May
en 26 27 28 29 30 Aug.
en 04 05 06 07 08 Nov.

TST Ziehm Vision RFD Hybrid Edition, RFD 3D

en 25 26 27 28 29 Mar.
en 24 25 26 27 28 June
en 23 24 25 26 27 Sep.
en 18 19 20 21 22 Nov.

Clinical & Application Training

Courses on request

Sales Training

Courses on request

Prices on request.
Practical experience between courses is strongly recommended.

en: Course held in English

* Prerequisite: Participants shall be familiar with the basic use of mobile C-arms.

Your course and registration for On-Line Training

Your course fee includes virtual classroom training, certificate on completion and service stick.

A typical course schedule is 4 hours of training via video link. The number of participants per VC are limited to ensure quality.

Updates and amendments to courses, On-Line and On-Site training can be found at academy.ziehm.com.

Your course and registration for On-Site Training

Your course fee includes the following: course notes, any supporting material (if applicable), relevant clinical case studies, certificate on completion, hotel (booked by Ziehm Academy), lunch and refreshments.

A typical course schedule is from 9 am to 5 pm with lunch and refreshment breaks. To ensure you receive the highest quality of delivery, we limit the number of participants per course. As a result, registration and allocation of course places is done on a 'first come, first served' basis. Upon registration you will receive an e-mail acknowledging your registration. A final and binding e-mail confirming attendance, along with course agenda, hotel details, invoice, etc. will follow.

Updates and amendments to courses, On-Line and On-Site training can be found at academy.ziehm.com.

Terms and Conditions / Cancellation Policy:

Changes to course bookings must be received in writing (Ziehm Imaging GmbH, Lina-Ammon-Str. 10, 90471 Nuremberg) or by e-mail (academy@ziehm.com) at least 3 weeks before the scheduled course date. Prior to this date, participants may exchange their course for another course to the same value on a different date. Participants who cancel within less than 3 weeks before the scheduled course date incur the full course fee. Participant substitutions are permitted. Cancellations due to 'exceptional circumstances' are dealt with on a case-by-case basis. Ziehm Imaging GmbH reserves the right to alter the course schedule, dates, location, accommodation and trainer. We accept no responsibility for any direct or incidental costs incurred. The full course fee will be refunded if Ziehm Imaging GmbH cancels a course and is unable to offer an alternative course date.

Book your training class online

You can sign-up for a training course at academy.ziehm.com. This portal provides detailed information on all offered training courses, including course descriptions, classroom sessions and eLearnings.

To sign-up for a training course, you need to set up a personalized user account first. Click the 'Login' button in the upper right corner to open the account registration form.

As soon as your account has been confirmed, you can take eLearning modules and sign-up for the classroom sessions you are interested in by using a web form.

Registration for On-Site training closes three weeks before start date.

Registration for On-Line training closes one day before start date.

Ziehm eLearnings

We have brought our technical and application experts together to create an appealing interactive learning program that allows you to acquire and refresh your knowledge of our products – wherever and whenever.

The eLearning modules have been designed for your self-study and as preparation before attending a classroom training session. This allows us to consolidate theory and invest more time into practical hands-on training on the unit and troubleshooting exercises with real-life examples. With this new training concept, you will be perfectly prepared for day-today work with our innovative C-arms.

Please visit academy.ziehm.com to see which eLearning modules need to be taken as preparation for your training session.

Visit Ziehm Academy at academy.ziehm.com for a detailed list of our courses. You can also check the exact syllabus of individual courses and find out when and where they are being held. You can register for all our courses online. If you are interested in a customized course, please contact us directly at academy@ziehm.com. We would be delighted to provide you with more information.

Ziehm Academy is the training and educational center of Ziehm Imaging GmbH.

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