## Training the easy way.





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# Training that gives you freedom.

We are with you in all 5 phases of your engineering process, helping you to create the perfect solution for your machine tasks. This gives you enough freedom for what is most important: your ideas. To assist you, we also offer you a wide range of training courses, giving you a chance to get to know our products, drive solutions and automation systems. Add our expertise to your experience, and make your working days more effective, safer, and one thing above all: easy.

#### 1

#### **Developing ideas**

Are you looking to build the best machine possible and already have some initial ideas? Then get these down on paper together with us, starting with small innovative details and stretching all the way to completely new machines. Working together, we will develop an intelligent and sustainable concept that is perfectly aligned with your specific requirements.

#### 2

#### **Drafting concepts**

We see welcome challenges in your machine tasks, supporting you with our comprehensive expertise and providing valuable concepts for your innovations. Here, we take a holistic view of the individual motion and control functions and draw up consistent, end-to-end drive and automation solutions for you – keeping everything as easy as possible and as extensive as necessary.

#### 3

#### Implementing solutions

Our easy formula for satisfied customers is to establish an active partnership with fast decision-making processes and an individually tailored offer. We have been using this easy principle to meet the ever more specialised customer requirements in the field of machine building for many years.

#### 4

#### Manufacturing machines

Functional diversity in perfect harmony: as one of the few full-range providers in the market, we can provide you with precisely those products that you need for any machine task — no more and no less. Our L-force product portfolio, a consistent platform for implementing drive and automation tasks, is invaluable in this regard.

#### 5

#### **Ensuring productivity**

Productivity, reliability and new performance peaks daily – these are our key success factors for your machine. After delivery, we offer you cleverly devised service concepts to ensure continued safe operation. The primary focus here is on technical support, based on the excellent application expertise of our highly skilled and knowledgeable after-sales team.

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#### The benefits for you:

#### Time savings

Every second counts, so learn about what you can achieve with our portfolio in short, module-type seminars. They will enable you to focus on the thing that is important: how to implement your project quickly and efficiently.

#### Variety

Always the right kind of training: our very diverse range of seminars is geared towards your engineering process.

#### **Expertise**

Hands-on learning experience: all our courses are practical, application-based and taught by experienced trainers. You will find it easy to integrate what you learn into your day-to-day work, straight away.

#### **Proximity**

Take part in the training you need when it suits you best: we offer our courses in many locations all over the world, all year round. This keeps you flexible in terms of both time and place.



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#### **The Lenze Training Programme**

#### 12345 Developing ideas & drafting concepts

#### Start-up training

- · Design engineer
- Project planner
- · Application engineer
- Programmer

The ideal choice right from the start: our one-day start-up training courses give you a quick and very practical introduction to what our products, solutions and systems can do for you. Knowing this will make it easy for you to make the best choices when you implement your machine concept.

#### 12345 Implementing solutions & manufacturing machines

#### Commissioning and application training

- · Design engineer
- Project planner
- Application engineer
- Programmer
- · Commissioning engineer

Getting your machine operating quickly: technical expertise is essential for successfully implementing your ideas. In our commissioning and application training for systems you will get to know our products and software in more detail – for seamless application and smooth operation.

#### 1 2 3 4 5 Ensuring productivity

#### Service training

- Maintenance engineer
- Commissioning engineer

Safeguarding operation in the long term: our service training will equip you with the practical knowledge you need for reliable machine diagnostics and rapid troubleshooting. And for the worst-case scenario, you will learn how to replace faulty elements quickly and make your machine ready for operation once again.

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The right training for any task.

#### **Lenze Online Training**

The application gets more and more complex while the training period still gets shorter: meeting this challenge Lenze provides a new training portal with didactically structured trainings, which are especially aimed to impart basic knowledge efficiently and timesaving.

From now on it is even easier for Lenze customers and partners to get the know-how for their products and solutions. The training programme is continuously extended to webbased trainings (online tutoring's followed by workshops).

Available worldwide, the training platform is aimed to impart new competences and key qualifications as fast as possible and will be extended to self-directed trainings.

#### **Target groups**

Target groups						
	Design engineer	Project planner	Application engineer	Programmer	Commissioning engineer	Maintenance engineer
Commissioning	and applica	ation tra	ining			
Inverter i500	<u>x</u>	x	<u>x</u>	<u>x</u>	X	<u> </u>
Inverter Drives 8400	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u> </u>
Servo Drives 9400	<u>x</u>	x	<u>x</u>	x	x	<u> </u>
Servo Drives i950	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	
PLC Designer	x	x	<u>x</u>	x	<u>x</u>	<u> </u>
FAST Motion	x	x	<u>x</u>	<u>x</u>	×	
VisiWinNet / EASY UI Designer	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	x  -	 
Service training						
Inverter i500					<u>x</u>	<u>x</u>
Inverter Drives 8400					x	×
Servo Drives 9400			<u> </u>	<u> </u>	<u>x</u>	<u>x</u>
Servo Drives i950	<u>.</u>	<u> </u>	<u></u>	<u> </u>	<u>x</u>	<u>x</u>
Controller-based Automation					<u>x</u>	×
Special topics						
Drive Solution Designer	<u>x</u>	x				 

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#### **Lenze Controller-based Automation Training**

Our modular Lenze Controller-based Automation Training Programme supports you in areas ranging from logic programming, through motion applications, all the way up to complete technology modules, embedded in a standardised project and software environment, and provides you with the basis for setting up your own machine application.

You will be introduced to controllers, I/O systems and servo inverter hardware for central motion control, as well as market standards such as IEC61131-3, PLCopen and EtherCAT, applied in the integrated development environment of PLC-Designer 3.

The Lenze Controller-based Automation Training Programme is rounded off with a machine-oriented visualisation that can be created using the VisiWinNET® Smart or EASY UI Designer development tool by simply selecting, applying and configuring the various options without the need for programming knowledge.

The training sessions are application-oriented, by programming machine applications and contain a large number of practical exercises.

#### Overview of the Controller-based Automation Training:

#### Lenze FAST Additional trainings VisiWinNet® Smart / UI **FAST Motion** Service & **PLC Designer Introduction Designer Introduction** Commissioning and IEC61131-3 Control **PLC Programming** 2 days 2 days Days 3 +4 Day 1+2

- Introduction to **PLC** Designer
- · Introduction to IEC-61131 programming
- · Programming a machine application based on IEC61131-3
- Commissioning the i700 servo drive and ETHERCAT
- · Brief introduction to **PLC** Designer
- PLC open. Homing, el. shaft, brake, cam, touch probe
- Axis basic control
- Operating modes
- Virtual axis
- application sample i700 Introduction to the FAST **Technology Modules**
- · Interfaces: principle and scalability
- · Technology modules: FlexCam

- VisiWinNet / UI Designer overview
- · Connection to controller
- VisiWinNet Smart / UI Designer introduction:
- Structure and key functions
- System functions
- Diagnostics and trouble shooting
- Creating a basic visualisation application
- controllers, Servo Inverter and EtherCAT · Diagnostics and error

· Brief presentation of

- reaction Device exchange &
- backup
- · Mounting and commissioning of systems
- Parameterization, optimization and advanced diagnostics

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#### **Lenze Drive-based Automation Training**

#### Overview of the Drive-based Automation Training:

#### Lenze Drive-based

#### Additional trainings

i950 Application - 2 days i500 Application - 1 day 8400 Application - 2 days 9400 Application - 3 days

i950 Service i500 Service 8400 Service 9400 Service all 1 day

Drive Solution Designer

- Presentation of inverters
- · Commissioning and diagnostics with Keypad and Engineer software
- · Create projects, realize applications
- Operating modes with and without encoder feedback i950, 8400 and 9400:
- Handling of FB editor and oscilloscope
- Pre-made applications for speed-controlled and position-controlled drives (speed actuating drive, table positioning)

- · Parameter access and reading of status information of the inverters by means of the Keypad
- Diagnostics with EASY Starter (machine states, error reaction, logbook, service register, Trend)
- Commissioning of pre-made applications
- · Installation and operation

- DSD A link in the engineering chain
- DSD software (structure and architecture)
- The user interface of the DSD
- Preparing projects
- · Program flow in the DSD
- · Results and logs
- Motion planning in the DSD
- · Basic multi-axis designs
- Analyzing and optimizing designs
- A large number of applicationoriented training exercises

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#### Inverter i500

#### Target group: Machine and system manufacturers

Staff members from the fields of

- Electrical engineering/design
- Project planning
- Machine application
- Commissioning

#### Objective

The participants learn how to commission the Inverter i500 and how to adapt the applications to individual requirements.

#### Recommended

• The free online training "Inverter i500 Basics" is recommended for this workshop.

#### **Training content**

Practice: commissioning of the Inverter i500 for different applications using different engineering tools (Keypad, PC) and adapting them to individual needs:

- Presentation of the Inverter Drives i500
- Characteristics of setpoint structure and operating modes and selection of control signals
- Adapting the Inverter i500 to the requirements of a conveyor drive (I/Os, motion profile, start/stop behaviour)
- Inverter i500 default settings (favourite list, parameter sets, access control)
- · Optimization of motor control
- Integration to master control via field bus
- Advanced functions of Inverter i500 (process controller, help functions, supervision)

Type of training: Workshop Duration: 1 day

Costs: 10,000 INR plus tax)

Note: This training is also offered as Online Training.

\* Find our online training offerings on our website (www.Lenze.com/Training) under the "Online training" tab.

	Location India		
Date	Pune		
	Date	Code	
January		L	
February	[	i	
March	20th	I5_A.01.IN	
April	[		
May			
June		ij	

	Location India Pune		
Date			
	Date	Code	
July	17th	I5_A.02.IN	
August			
September			
October			
November	13th	I5_A.03.IN	
December			





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#### **Inverter Drives 8400**

#### Target group: Machine and system manufacturers

Staff members from the fields of

- Electrical engineering/design
- Project planning
- Machine application
- Commissioning

#### Objective

The participants will be capable of commissioning the Inverter Drives 8400 independently and adapting applications to their own requirements. They will also learn about the functionalities and control characteristics.

#### Training content

- Presentation of the Inverter Drives 8400
- Commissioning and diagnostics using the keypad and the Engineer software
- Creating projects, implementing applications
- Guide to using the function block editor and oscilloscope
- Operating modes with and without encoder feedback
- Pre-made applications for speed-controlled and position-controlled drives (speed actuating drive, table positioning)
- Connecting fieldbuses
- Practical exercises on the training equipment

**Duration:** 2 days

Costs: 20,000 INR plus tax

	Location	on India	
Date	Pune		
	Date	Code	
January	17th-18th	84_A.01.IN	
February	l		
March			
April	i		
May	15th-16th	84_A.02.IN	
June			

	Locati	on India
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	Date	Code
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August	<u>[</u>	
September	24th-25th	84_A.03.IN
October	Ĺi	
November	Ŧ	
December	[	

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#### Servo Drives 9400

#### Target group: Machine and system manufacturers

Staff members from the fields of

- Electrical engineering/design
- Project planning
- Machine application
- Commissioning

#### Objective

The participants will be capable of independently configuring the Servo Drives 9400, implementing applications and starting up the system. They will also gain comprehensive knowledge of how to operate Lenze's EASY Starter and Engineer engineering software.

#### **Training content**

- Presentation of the Servo Drives 9400
- Project planning, installation and operation
- Commissioning and adapting pre-made applications
- Parameter setting, diagnostics and error correction using the keypad and Engineer
- Basic drive functions and modes of motor operation
- Creating and configuring your own applications using the function block editor
- Integrating the Servo Drives 9400 into CAN networks and configuring multiaxis applications
- The basics of positioning technology and resolving positioning tasks
- Practical exercises on the training equipment

Duration: 3 days

Costs: 30,000 INR plus tax

	Location India Pune		
Date			
	Date	Code	
January			
February	20th-22nd	94_A.01.IN	
March	<u> i</u>		
April	!	!	
May		:	
June	17th-19th	94_A.02.IN	

	Location	on India
Date	Pune	
	Date	Code
July		
August	Ĺi	
September		
October	15th-17th	94_A.03.IN
November	Ĺi	
December	Ĺj	

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#### Servo Drives i950

#### Target group: Machine and system manufacturers

Staff members from the fields of

- Electrical engineering/design
- Project planning
- Machine application
- Commissioning



The participants will be capable of independently configuring the Servo Drives i950, implementing applications and starting up the system. They will also gain comprehensive knowledge of how to operate Lenze's EASY Starter engineering software.

#### **Training content**

- Presentation of the Servo Drives i950
- Project planning, installation and operation
- Commissioning and adapting pre-made applications
- Parameter setting, diagnostics and error correction using Easy Starter
- Basic drive functions and modes of motor operation
- Creating and configuring your own applications using the function block
- Integrating the Servo Drives i950 into EtherCAT networks and configuring multi-axis applications
- The basics of positioning technology and resolving positioning tasks
- Practical exercises on the training equipment

Duration: 2 days

Costs: 20,000 INR plus tax

	Locatio	on India
Date	Kolkata	
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January	i	i
February	20th-21th	19_A.01.IN
March	<u> </u>	!
April	02nd-03rd	19_A.02.IN
May	i	
June	04th-05th	19_A.03.IN

	Locati	on India
Date	Kolkata	
	Date	Code
July	i	
August	06th-07th	19_A.04.IN
September		
October	07th-08th	19_A.05.IN
November	i	
December	03rd-04th	19_A.06.IN



New

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#### **PLC Designer Introduction**

Introduction to PLC Designer and IEC 61131-3 programming

#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of development, application, commissioning and service, who are keen to work with PLC-Designer V3 and gain some basic knowledge of IEC61131-3 programming.

Logic

#### Objective

The participants will gain technical knowledge on how to apply, program, commission and use the diagnostics options of PLC Designer. They will learn the basics of how to use this product and perform IEC61131-3 programming by program a machine application.

#### Training content

- Structure of PLC Designer V3
- Creating a standard project with I/O mapping and connecting to the controller
- · Project settings, project download, boot project, source code download and upload
- · Using libraries and the device repository
- Presentation of variable & data types, POUs (program, function block, function), tasks, persistent & retain variables
- Using monitoring, variable forces, overwriting, trace, text list, logbook
- Introduction to IEC61131-3 programming languages, focusing on the FUP languages and structured text
- Using basic data structures
- Introduction to visualisation with the PLC Designer
- Practical exercises on the training equipment

Duration: 2 day

Costs: 20,000 INR plus tax

	Location India Kolkata	
Date		
	Date	Code
January	L	 
February		
March	12th-13th	CbA _PLC.01.IN
April		j
May		
June		

Location India		
Kolkata		
Date	Code	
01st-02nd	CbA _PLC.02.IN	
30th-31st	CbA _PLC.03.IN	
L		
	Date 01st-02nd	

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#### Motion **Motion Control**

Introduction to controller-based Motion with the i700 servo inverter

#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of development and application, who integrate automation systems with the i700 servo inverters and 3200 C and/or p500 controllers into their machines and systems from a software perspective and create motion applications.



#### Objective

The "Motion Control" training is an engineering-oriented system and application training course. The participants will gain basic knowledge of how to test, evaluate and implement applications. The training creates the basis for participants to independently extend their system knowledge within the scope of projects.

#### Note

Participants should ideally complete the "PLC Designer Introduction: training module to ensure that they have the necessary knowledge before attending this course.

#### Training content

- · Introduction, configuration, commissioning of i700 servo inverters, SoftMotion axis and EtherCAT fieldbus
- Brief introduction to PLC Designer
- PLCOpen blocks, motion and visualisation projects
- Lenze Fast Motion for positioning with the FB-AxisBasicControl and "Application Sample i700"
- The PLCOpen motion functions: homing, electrical shaft, cam and brake
- Lenze touch probe function blocks
- Drive and motion operating modes (csp, csv, cst)
- · Applying a virtual axis
- Introduction to the FAST Technology Modules
  - o Interfaces: principle and
  - 0 scalability
  - Technology modules:
  - FlexCam
- Practical exercises on the training equipment

Duration: 2 days

Costs: 20,000 INR plus tax

	Location India Kolkata	
Date		
	Date	Code
January		
February		i i
March	14th-15th	CbA _MC.01.IN
April		
May		
June		

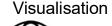
	Location India	
Date	Kolkata	
	Date	Code
July	03rd-04rd	CbA _MC.02.IN
August		
September		
October		
November	04th-05th	CbA _MC.03.IN
December		



#### VisiWinNet® Smart / EASY UI Designer Introduction

Introduction to Lenze VisiWinNet Smart with the 3200C/p500 controller or introduction to EASY UI Designer with c550 and V450 web panel.

### VisiWinNET®



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#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of project planning and application, who are keen to program, commission and integrate automation systems with VisiWinNET® Smart / UI Designer into their machines and systems.





#### Objective

The participants will be capable of independently configuring automation systems using VisiWinNET® Smart / UI Designer, as well as implementing and commissioning basic applications.

#### Training content

- · Connection to the controller
- Overview of VisiWinNET® Smart / UI Designer and further product versions
- Introduction
  - to VisiWinNET® Smart / UI Designer Editor and the Project Wizard
  - to Form Designer and project configuration
  - Defining internal and external (controller) variables and user controls
  - Creating cross-references and performing troubleshooting
  - Managing and switching between multiple languages
  - Using alarms, trends and formulae
  - Using user management and logbook functions
- Creating a basic visualisation application
- Practical exercises on the training equipment

Duration: 2 day

Costs: 20,000 INR plus tax

	Location India Kolkata	
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January		 
February		i
March	28th-29th	CbA_VWN.01.IN
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	Location India	
Date	Kolkata	
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July	18rd-19th	CbA_UID.01.IN
August		
September		
October		
November	11th-12th 13th-14th	CbA_UID.02.IN CbA_VWN.02.IN
December		



#### Inverter i500

#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of operation, maintenance and servicing.

#### Objective

The participants learn how to run diagnostics and how to eliminate faults, use the keypad, the EASY Starter and further engineering tools in order to eliminate faults.

#### Recommended

• The free online training "Inverter i500 Basics" is recommended for this workshop.

#### **Training content**

Practice: Detecting errors and eliminating faults using different engineering tools (Keypad, PC):

- Operation of keypad and EASY Starter when service is required
- Diagnostic options (Status LEDs, error messages, history memory, Trend)
- Data backup and recovery
- Facts about firmware compatibility and user settings

Type of training: Workshop

Duration: 1 day

Costs: 10,000 INR plus tax

Dates: see table below

Note: This training is also offered as Online Training.

\* Find our online training offerings on our website (<a href="www.Lenze.com/Training">www.Lenze.com/Training</a>) under the "Online training" tab.

	Location India	
Date	P	une
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January	L	
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March	21th	I5_S.01.IN
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June	[	

	Location India Pune	
Date		
	Date	Code
July	18th	15_S.02.IN
August	<u> </u>	<u> </u>
September		<u> </u>
October		! !
November	14th	15_S.03.IN
December		<u> </u>





#### **Inverter Drives 8400**

#### Target group:

#### Machine operators and machine and system manufacturers

The "Inverter Drives 8400: Service" training is aimed at persons from the fields of operation, maintenance and servicing.

#### Objective

In this training course, participants will learn the basics of installing and servicing the Inverter Drives 8400.

They will gain technical knowledge on

- Diagnostics and eliminating malfunctions (troubleshooting)
- Using the keypad, EASY Starter and Engineer.

#### Training content

- Accessing parameters and exporting status information to the Inverter Drives 8400 using the keypad
- Diagnostics with the EASY Starter and Engineer software packages (device statuses, error responses, logbook, trend, data logger)
- Commissioning specified user parameter settings
- Steps for complete data backup
- "Device replacement" during servicing
- Useful information on installation and operation
- Practical exercises on the training equipment

Duration: 1 day

Costs: 10,000 INR plus tax

	Location India	
Date		
	Date	Code
January	19th	84_S.01.IN
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May	17th	84_S.02.IN
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September	26th	84_S.03.IN
October		i !
November	[	i !
December	Ĺ	<u> </u>





#### Servo Drives 9400

#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of operation, maintenance and servicing.

#### Objective

In this training course, participants will learn the basics of how to install and service the Servo Drives 9400.

They will gain technical knowledge on

- Diagnostics and eliminating malfunctions (troubleshooting) on the Servo Drives 9400
- · Using the keypad
- Using EASY Starter and Engineer

#### **Training content**

- Accessing parameters and exporting status information to the Servo Drives 9400 using the keypad
- Diagnostics with the EASY Starter and Engineer (device statuses, error responses, logbook, service register, trend, data logger, oscilloscope)
- Commissioning pre-made applications
- Steps for complete data backup (e.g. for altered parameter setting in the device)
- "Device replacement" during servicing
- Useful information on installation and operation
- · Checking and optimising the motor control
- Practical exercises on the training equipment

Duration: 1 day

Costs: 10,000 INR plus tax

	Location India Pune	
Date		
	Date	Code
January		 
February	23rd	94_S.01.IN
March		ļ!
April		<u> </u>
May		! !!
June	20th	94_S.02.IN

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September	<u></u>	i 
October	18th	94_S.03.IN
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#### Servo Drives i950

#### Target group:

#### Machine operators and machine and system manufacturers

This training is aimed at persons from the fields of operation, maintenance and servicing.

#### Objective

In this training course, participants will learn the basics of how to install and service the Servo Drives i950.

They will gain technical knowledge on

- Diagnostics and eliminating malfunctions (troubleshooting) on the Servo Drives i950
- Using EASY Starter

#### **Training content**

- Accessing parameters and exporting status information to the Servo Drives i950 using the keypad
- Diagnostics with the EASY Starter (device statuses, error responses, logbook, service register, trend, data logger, oscilloscope)
- Commissioning pre-made applications
- Steps for complete data backup (e.g. for altered parameter setting in the device)
- "Device replacement" during servicing
- Useful information on installation and operation
- Checking and optimising the motor control
- Practical exercises on the training equipment

Duration: 1 day

Costs: 10,000 INR plus tax

	Location India	
Date	Kolkata	
	Date	Code
January	L	
February	22nd	19_S.01.IN
March	[	ij
April	04th	19_S.02.IN
May	[	
June	06th	19_S.03.IN

	Locat	ion India
Date	Kolkata	
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July		 
August	08th	19_S.04.IN
September	' 	! !
October	09th	19_S.05.IN
November		İ
December	05th	19_S.06.IN



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#### Controller-based Automation: Service & Commissioning

Service & commissioning of the controller 3200 C / c300/ p500 / p300 and the servo-inverter i700

#### Target group: Machine operators

This training is aimed at persons from the fields of commissioning and service.

#### Objective

In this training course, participants will learn the basics of installing, commissioning, operating and servicing the controller, the servo-inverters i700 and the EtherCAT field bus.

They will gain the technical knowledge necessary for commissioning, parameter setting and eliminating faults on the systems.

#### **Training content**

- Brief introduction of controller, servo-inverter and EtherCAT
- Diagnostics and elimination of errors (focus Easy Starter)
- Replacement and backup of the devices
- Practical exercises on the training equipment
- Mounting and commissioning of the systems
- Parameterisation, optimisation, and advanced diagnostics (focus PLC Designer)
- Practical exercises on the training equipment

Duration: 2 day

Costs: 20,000 INR plus tax

	Location India		
Date	Kolkata		
	Date	Code	
January	17th-18th	CbA_S.01.IN	
February	<u>[i</u>		
March	<u> </u>		
April	[i		
May	08th-09th	CbA_S.02.IN	
June	[i	!	

	Location India		
Date	Kolkata		
	Date	Code	
July			
August			
September	05th-06th	CbA_S.03.IN	
October			
November	<u>.                                    </u>		
December			



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#### **Drive Solution Designer**

#### Target group: Machine operators and machine and system manufacturers

Staff at manufacturers or users of machines/systems that work in the fields of development, project planning or general planning

#### Objective

This training offers participants a detailed overview of the software's functions. Participants will learn how to use the software and then be able to perform dimensioning autonomously for Lenze drive systems in their field.

#### Equipment

The participants are requested to bring a suitable laptop with them to the training course (operating system: Windows XP, Vista, 7 or 8, minimum 1 GB RAM)

#### Training content

- DSD A link in the engineering chain
- DSD software (structure and architecture)
- The user interface of the DSD
- Preparing projects
- Program flow in the DSD
- Results and logs
- Motion planning in the DSD
- · Basic multi-axis designs
- Analysing and optimising designs
- A large number of application-oriented training exercises

Duration: 2 days

Costs: 20,000 INR plus tax

	Location India		
Date	Pune		
	Date	Code	
January		 	
February			
March			
April	18th-19th	DSD_ST.01.IN	
May		 	
June			

	Location India			
Date	Pune			
	Date	Code		
July				
August	22nd-23rd	DSD_ST.02.IN		
September	<u>.                                    </u>			
October				
November				
December	11th-12th	DSD_ST.03.IN		

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#### Registration and participation conditions, fees, location

#### **Fees**

The fee for training courses is 10,000 INR plus tax per day and participant.

The fee covers participation in the training, provision of comprehensive training documentation on a USB stick, as well as the training apparatus, a participation certificate, drinks during breaks and lunch.

#### Registration

Please make sure you register in good time using the online registration system on our website at: <a href="https://www.Lenze.com/Training">www.Lenze.com/Training</a>

Alternatively, you can use the registration form printed on the following page.

Once we have received your binding registration, we will send you a written confirmation of your participation. You will then receive the final invitation to the training with all the relevant details four weeks prior to the start of the respective course.

#### Cancellation

Participants may cancel up to four weeks before the start of training at no cost. Any cancellations made after this deadline will be charged at half the regular fee for attending the respective course. It is also possible to nominate a substitute participant at no extra cost.

#### Copyright

Training documents may not be duplicated or distributed to third parties without written permission from Lenze SE.

#### Liability

Lenze reserves the right to cancel training sessions in the event that an insufficient of participants register for the training in question or for other reasons. Lenze also reserves the right to change the dates and times of training sessions. However, in such cases we will always offer you alternative times/dates.

#### Lenze does not accept any liability

- for information provided during the training sessions
- for any damage or consequential damage that may result from the training sessions

#### Safety instructions

Participants are required to comply with the safety instructions provided for them at each laboratory workstation.

#### Trainings venue in India

Our training sessions are held in Locations Pune and Kolkata.

Lenze Mechatronics Private Limited Lenze Mechatronics Private Limited Plot No. I-19, Gat No - 1898 No.204,2nd Floor, Tower-II, Khed City, Kanhersar P S Srijan Corporate Park, Taluka - Khed GP Block, Sector-V, District - Pune - 410505 Salt Lake, Kolkata 700091 Phone: +91 2135 616900/6999 Phone: +91 8336965391 Contact: Dipak More Contact: Ranjan Tarafder Email: Training.in@Lenze.com Email: Training.in@Lenze.com

#### **Training times**

All of our training sessions start at around 9.00 am and end at around 5.00 pm.

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Registration form Please copy, fill out a then either fax or e-n		998 or e-mail : Training.ir	n@Lenze.com	
Company:				
Contact(s)				
Address line 1:				
Postal code/city:				
Tel.:				
Fax:				
E-mail:				
I hereby register mys	self / us for the following tr	aining sessions:		
First name and surn	ame		Code	Date
			     !	
Would you like us to me/us:	book a hotel for you?	Yes No P	lease make the	following reservation(s) for
Single	e room for the period from	to		
Place, date				
Signature				

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#### Published by

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