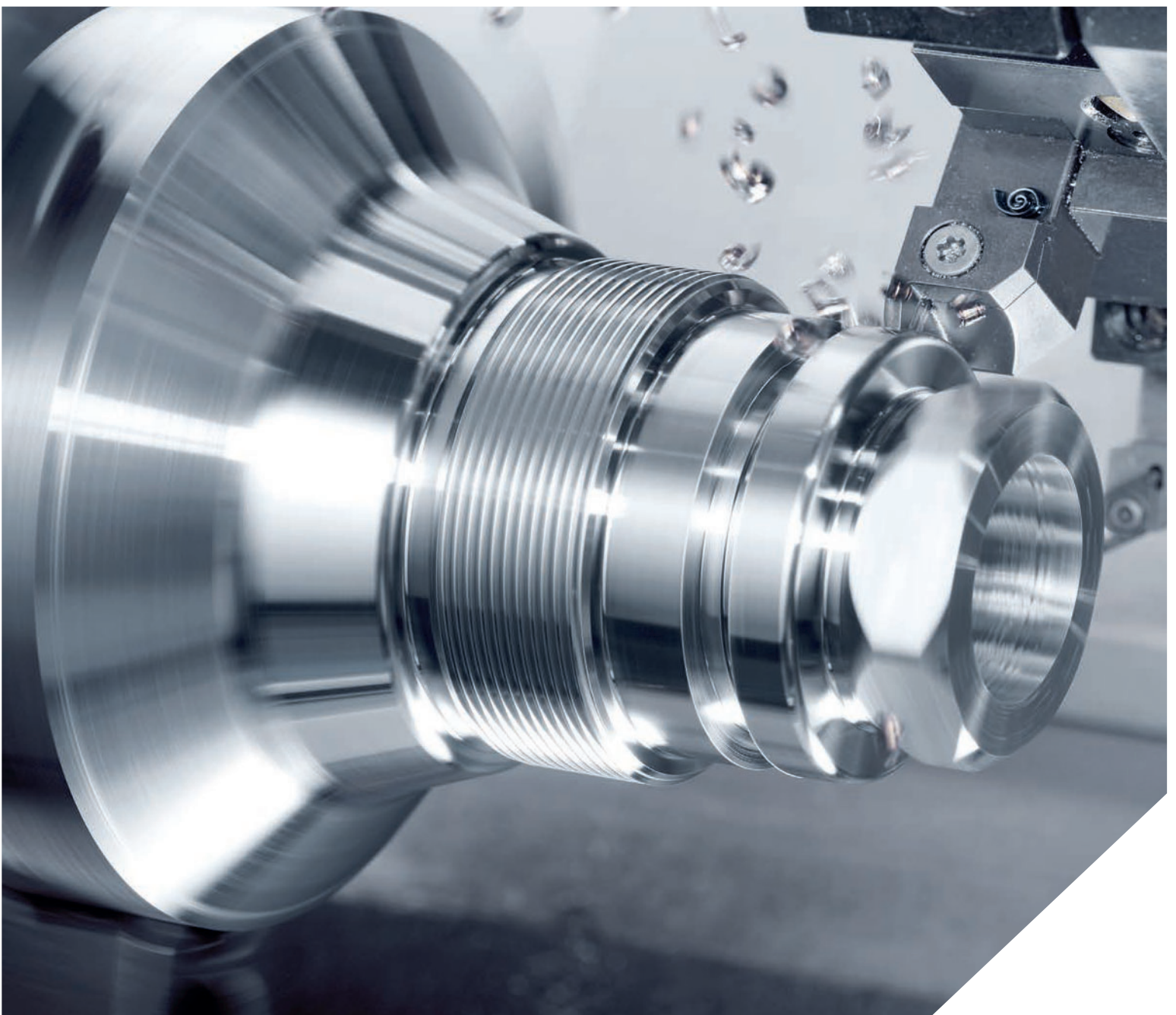


Service-Training for Customers

Course program 2025

Bielefeld



Service training at DMG MORI in Bielefeld



HIGHLIGHT OVERVIEW

- >> Courses on the machine, near and orientated to the practice
- >> Permanent education of our trainers by the control manufacturer as well as the direct contact to the production company is highly effective
- >> Achievement of high results by learning in small groups
- >> Simulators for all common controls
- >> Flexible contents of the courses to adjust the training to your needs of education
- >> Air conditioned training rooms

Our trainers are certified by



On the picture from the left to the right: Marcel Boeke, Nils Behrensmeier, Michael Büker, Hubert Fretter, Mark Randermann, Reiner Anders, Mirco Theele

CLX350/450/550/750

Siemens Operate Slimline

Electronics	5
Mechanics.....	6

CLX450 TC

Siemens Operate Slimline

Mechanics.....	7
Electronics	8

CTX alpha/beta

Siemens Operate CELOS

Mechanics.....	9
----------------	---

CTX 350/450/550/750

Siemens ONE CELOS X

Mechanics.....	10
----------------	----

CTX 350/450/550/750

CTX alpha/beta/gamma

Siemens Operate CELOS

Electronics	11
-------------------	----

CTX beta 450 TC

Siemens ONE CELOS X

Mechanics.....	12
----------------	----

Siemens ONE CELOS X

Electronics	13
-------------------	----

CTX beta 4A TC

Siemens Operate CELOS

Electronics	14
Mechanics.....	15

CTX beta TC 2nd Gen.

Siemens Operate CELOS

Mechanics.....	16
----------------	----

CTX gamma TC 2nd Gen.

Siemens Operate CELOS

Mechanics.....	17
----------------	----

CTX beta/gamma TC 2nd Gen.

Siemens Operate CELOS

Electronics	18
-------------------	----

Individual training

Specific to the customer 19

Terms of Trade

Control:	Siemens Operate Slimline
Course-name:	Electronics
Course-number:	A-X302-D
Location:	Bielefeld
Duration:	2,5 days



Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Operation of control and machine regarding trouble shooting- Starting routine- Data backup- Data transfer- Exchange hardware- Working with diagnosis- Adjustment of reference point- Working with the machine documentation



Control:	Siemens Operate Slimline
Course-name:	Mechanics
Course-number:	A-X202-D
Location:	Bielefeld
Duration:	3 days

Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure and function of the machine- Operation of control and machine- Installation of the machine- Geometry of the machine- Clamping device- Hydraulic- Lubrication- Turret- Slide guideways- Maintenance- Working with the machine documentation

Control:	Siemens Operate Slimline
Course-name:	Mechanics
Course-number:	A-X238-D
Location:	Bielefeld
Duration:	4,5 days



Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure and function of the machine- Operation of control and machine- Installation of the machine- Geometry of the machine- Pragati Toolchanger- Clamping device- Hydraulic- Lubrication- Slide guideways- Maintenance- Working with the machine documentation



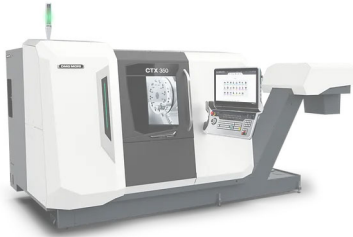
Control:	Siemens Operate Slimline
Course-name:	Electronics
Course-number:	A-X338-D
Location:	Bielefeld
Duration:	4 days

Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Operation of control and machine regarding trouble shooting- Starting routine- Data backup/restore- Data transfer- Exchange hardware- Working with diagnosis- Adjustment of reference point- Pragati Toolchanger- Working with the machine documentation

Control:	Siemens Operate CELOS
Course-name:	Mechanics
Course-number:	A-X205-D
Location:	Bielefeld
Duration:	3 days



Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure and function of the machine- Operation of control and machine- Install the machine- Geometry of the machine- Clamping device- Hydraulic- Lubrication- Turret- Slide guideways- Maintenance according to chap. 8 of the operating instructions- Resetting the maintenance message with the InspectionsKey- Working with the machine documentation



Control:	Siemens ONE CELOS X
Course-name:	Mechanics
Course-number:	A-X210-D
Location:	Bielefeld
Duration:	3 days

Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure and function of the machine- Operation of control and machine- Install the machine- Geometry of the machine- Clamping device- Hydraulic- Lubrication- Turret- Slide guideways- Maintenance according to chap. 8 of the operating instructions- Resetting the maintenance message with the InspectionsKey- Working with the machine documentation

Control:	Siemens Operate CELOS
Course-name:	Electronics
Course-number:	A-X308-D
Location:	Bielefeld
Duration:	4 days



Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- System overview- Menue overview- Circuit diagram- Machine documentation- Structure of machine and control- Starting routine- Data backup- Machine- and setting data- Encoder settings- Exchange hardware- Data transfer- Diagnosis- Trouble shooting



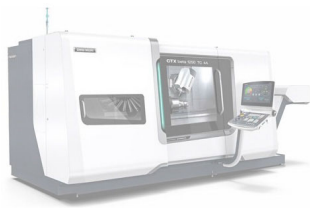
Control:	Siemens ONE CELOS X
Course-name:	Mechanics
Course-number:	A-X239-D
Location:	Bielefeld
Duration:	4,5 days

Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Tool magazine (chain magazine)- Reference point- Clamping device- Hydraulic- Lubrication- Slide guideways- Maschine geometric- Maintenance according to chap. 8 of the operating instructions- Resetting the maintenance message with the InspectionsKey- Trouble shooting- Working with the machine documentation

Control:	Siemens ONE CELOS X
Course-name:	Electronics
Course-number:	A-X339-D
Location:	Bielefeld
Duration:	4,5 days



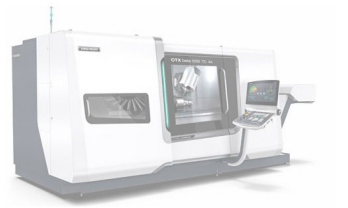
Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Tool magazine- Operating modes- Starting routine- Data backup- Data transfer- Sinamics drives basics- Exchange hardware- Working with diagnosis- Adjustment of reference point- Working with the machine documentation



Control:	Siemens Operate CELOS
Course-name:	Electronics
Course-number:	A-X333-D
Location:	Bielefeld
Duration:	4,5 days

Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- System overview- Menue overview- Circuit diagram- Machine documentation- Structure of machine and control- Starting routine- Data backup- Machine- and setting data- Encoder settings- Sinamics drives basics- Exchange hardware- Data transfer- Diagnosis- Trouble shooting

Control:	Siemens Operate CELOS
Course-name:	Mechanics
Course-number:	A-X233-D
Location:	Bielefeld
Duration:	4,5 days



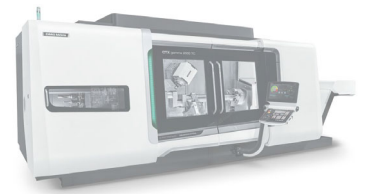
Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Operating the machine and the control regarding trouble shooting- Reference points settings- Clamping device- Geometry of the machine- Praxis orientated trouble shooting- Maintenance according to chap. 8 of the operating instructions- Resetting the maintenance message with the InspectionsKey- Working with the machine documentation

CTX beta TC 2nd Gen.

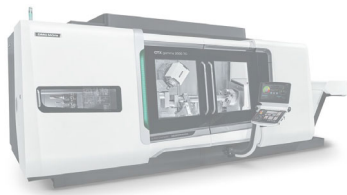
Control:	Siemens Operate CELOS
Course-name:	Mechanics
Course-number:	A-X237-D
Location:	Bielefeld
Duration:	4,5 days

Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structuring and operating the control at the machine- Switch on routine- Data backup at the machine- Data transfer- Hardware exchange at the machine- Tool magazine- Working with diagnosis function- Setting of reference point at the machine- Working with the documentation- Reading of wiring plans, interpretation of cross-references

Control:	Siemens Operate CELOS
Course-name:	Mechanics
Course-number:	A-X236-D
Location:	Bielefeld
Duration:	4,5 days



Objective:	Recognize and fit mechanical faults, using of the diagnosis, do maintenance and repair by yourself.
Requirements:	- Mechanical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Tool magazine (chain magazine)- Reference point- Clamping device- Hydraulic- Lubrication- Turret- Slide guideways- Maschine geometric- Maintenance according to chap. 8 of the operating instructions- Resetting the maintenance message with the InspectionsKey- Trouble shooting- Working with the machine documentation



Control:	Siemens Operate CELOS
Course-name:	Electronics
Course-number:	A-X336-D
Location:	Bielefeld
Duration:	4,5 days

Objective:	Recognize and fix electrical faults, using the diagnosis, doing maintenance and repairs by yourself.
Requirements:	- Electrical education
Work equipment:	- Working clothes, safety shoes
Contents:	<ul style="list-style-type: none">- Safety regulations- Structure of machine and control- Tool magazine- Operating modes- Starting routine- Data backup- Data transfer- Sinamics drives basics- Exchange hardware- Working with diagnosis- Adjustment of reference point- Working with the machine documentation

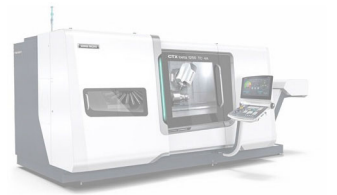
Control:

Course-name: Specific to the customer

Course-number:

Location:

Duration:



Objective: Individual training is orientated at specific requirements of the customer. It educates your technicians according to your needs.

Requirements:

- Depending of training contents
- Mechanical education
- Electrical education

Work equipment:

- Working clothes, safety shoes

Contents:

- If you don't find a training in this catalogue which fits to your requirements, please contact us. Together we will tune course contents and create a course which fits to your needs.

DMG MORI Technium Europe GmbH
Gildemeisterstrasse 60
D - 33689 Bielefeld

Service training
Mr. Reiner Anders

Tel.: +49-5205-74-2671
Fax: +49-5205-74-2672
e-Mail:
training.servicedrehen@dmgmori.com



General Terms and Conditions of DMG MORI Technium Europe GmbH for Training Services

1. General Provisions

- 1.1 The following Terms and Conditions apply to all training services ("Training") offered and provided by DMG MORI Technium Europe GmbH ("Technium Europe") to employees or related persons of traders (Section 14 BGB (German Civil Code)), legal entities under public law or special funds under public law (collectively "Client").
- 1.2 These General Terms and Conditions of Technium Europe apply exclusively. Deviating, conflicting or supplementary general terms and conditions of the Client become part of the contract only if and to the extent that we have expressly consented to their application.
- 1.3 Conducting Training is part of the contract for supply and commissioning of a machine tool with one of the companies of the DMG MORI Group ("Supply Contract") or of any other agreement concluded directly with Technium Europe ("Training Contract"). A contract between Technium Europe and the Client on the details of conducting such Training is formed only upon confirmation of its registration by Technium Europe or, in the case of a training contract, upon separate confirmation by Technium Europe ("Registration Confirmation"). The Registration Confirmation also serves as a confirmation of attendance by the participant(s) registered by the Client ("Training Participants"). Offer, registration and order confirmation may be issued in writing, by fax or email. Conducting this Training and the relevant conditions are governed by these General Terms and Conditions.
- 1.4 As a rule, Clients register for Training electronically via the DMG MORI Training Portal at <https://training.dmgmori.com>. This registration is considered a binding contractual offer regarding the details of conducting the Training. If the Client already has a DMG MORI account with the DMG MORI Training Portal, the respective data are already stored there. If the Client does not have a registered DMG MORI account, they can register at <https://training.dmgmori.com> at their convenience. Registration requires providing the account holder's first and last names, as well as the first and last names of the Training Participant(s) and an e-mail address.
- 1.5 The DMG MORI Training Portal can be used to electronically download completed certificates, by line managers to book in employees, to communicate and provide information on any schedule changes, or to access training documents. The DMG MORI account enables the Client to use any and all DMG MORI digital services 24/7 from any location and any device.
- 1.6 Technium Europe will offer the Training in alignment with the machine tool's delivery date, and will provide suggested dates in a separate e-mail, i.e. not as part of the Registration Confirmation. Details will be set out in the following clauses.

2. Conducting Training

- 2.1 Technium Europe offers Training in the form of face-to-face training at its headquarters or at the Client's premises, Training based on the Client's individual requirements, as well as online Training. Content and scope of the Training services to be provided by Technium Europe are detailed in the offer.
- 2.2 Training is provided by persons commissioned by Technium Europe or by its own employees (collectively, "Trainer"). The Client is not entitled to have Training conducted by a specific Trainer.
- 2.3 Technium Europe only owes the provision of Training services, but not the production of specific works or results.
- 2.4 The Client assumes responsibility for ensuring that their registered Training Participants will fully comply with the Trainer's instructions at all times. If Training is run at the headquarters of DMG MORI, the generally applicable accident prevention rules (as amended) must be observed.
- 2.5 If Training is provided at the Client's premises, unless otherwise agreed, the Client will provide the technical equipment required for the Training (e.g. projector, screen, etc.). If the Training is done using the Client's machines, the Client undertakes to ensure the safety of the workplace, in particular the safety of the machine, to comply with existing safety provisions and to ensure adequate working conditions.
- 2.6 Online Training is provided in real time. Trainer and Training Participants communicate via video chat. Training may be recorded only with the written consent of Technium Europe. The Client is responsible for providing the system requirements (e.g. video chat programs) for conducting the online Training. The Client will receive the login details for online Training together with the Registration Confirmation.
- 2.7 Participants who attend regularly will be issued a certificate of attendance.

3. Remuneration

- 3.1 Remuneration for Training services is based on the conditions agreed in the Supply or Training Contract. The agreed remuneration for the training services also covers the costs of training materials and meals. Remuneration is exclusive of statutory value added tax.
- 3.2 Payment due date and other conditions of payment of the remuneration for Training are governed by the Supply Contract or the agreement stipulated in the Training Contract.

4. Non-attendance and cancellation

- 4.1 If a Training Participant is unable to attend a Training after a Registration Confirmation has been sent, the Client is obliged to notify Technium Europe in writing of the non-attendance, indicating the Training Participant's name ("Client Cancellation"). The Client may replace a registered Training Participant at any time and at no extra cost with a substitute Participant. However, a free Client Cancellation is possible only up to 7 calendar days prior to the stipulated Training date. In the event of a Client Cancellation within the period of 7 calendar days prior to the scheduled Training date, in addition to the agreed remuneration, Technium Europe is entitled to also claim additional expenses incurred as a result of the Client Cancellation.
- 4.2 If Technium Europe is unable to conduct Training for reasons not under its control (e.g. illness of a Trainer, force majeure), Technium Europe will notify the Client in writing without undue delay upon becoming aware of the Training cancellation and suggest an alternative date. The Client has further claims only in accordance with clause 5.
- 4.3 Training will be conducted only if a minimum of three people have registered to attend it. Otherwise, Technium Europe is entitled to cancel the Training. Technium Europe will notify the Client accordingly in writing without undue delay upon becoming aware.

5. Liability

- 5.1 Technium Europe is liable for any breach of contractual and extra-contractual obligations in accordance with statutory provisions, unless stipulated otherwise below.
- 5.2 Technium Europe is liable – for any legal reason whatsoever – in the context of tortious liability in the event of intentional wrongdoing or gross negligence. In the event of simple negligence, Technium Europe is only liable
 - a) for damage arising from injury to life, limb or health, or
 - b) for damage arising from a major breach of a material contractual obligation (obligation, where fulfillment is a prerequisite for the due execution of the contract and where the Client regularly does and may rely on its fulfillment); however, the liability of Technium Europe in such case is limited to compensation for the foreseeable, typically occurring damage.
- 5.3 The limitations of liability under clause 5.2 also apply in the event of a breach of duty by or in favor of persons whose fault is attributable to Technium Europe in accordance with statutory provisions. They do not apply if Technium Europe has acted fraudulently or has given a guarantee, or in cases of mandatory liability (e.g. under the German Product Liability Act (ProdHaftG)).

6. Copyright law

- 6.1 Technium Europe owns any and all copyrights to the Training materials. The Training materials may only be used by the Client. The Client may reproduce, distribute, publish or otherwise transfer Training documents to third parties only with the prior written consent of Technium Europe.

7. Final provisions

- 7.1 All legal relationships between Technium Europe and the Client are governed by the laws of the Federal Republic of Germany.
- 7.2 Exclusive place of jurisdiction is Bielefeld.
- 7.3 Should individual provisions of these General Terms and Conditions be ineffective, this will not affect the effectiveness of the remaining provisions. Ineffective provisions are deemed replaced by such effective provisions that are suitable to come nearest to realizing the economic purpose of the ineffective provision. The provisions of clause 7.3 apply accordingly in the event of any unintentional gaps or omissions.

General Terms and Conditions of DMG MORI Technium Europe GmbH for Training Services - valid from 01/2025



HIGHLIGHTS



WHY TRAINING AT THE DMG MORI ACADEMY?

- + **Excellent equipment:** High-tech training centers worldwide
- + **Latest machine park:** State-of-the-art DMG MORI machines
- + **Flexibility:** Training also on your premises
- + **Practical experience:** Highly qualified and certified instructors worldwide
- + **Maximum customer satisfaction:** Training of over 20,000 course participants a year