Service-Training for Customers Course program 2025

Geretsried / Pfronten / Seebach





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DMU/DMC monoBLOCK

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y225-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine,

machine overview

- Assembly overview and functionality

- Measuring systems of the machine axes

- A and C axis, gear pre-tension

- Adjusting C0 and A0

- Hydraulic and pneumatic circuits

- Tool changer (wheel or chain magazine)

Settings on the tool changer and the corresponding machine parameters. Rescue functions for cancellation and power failure.

 Instructions for disassembly/assembly and stretching of the ball screw

- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission leadthrough, cooling circuit.

- Data backup on the control

- Resetting maintenance messages using the InspectionsKey

Schedule overview and registration:



DMU/DMC monoBLOCK



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y325-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine, machine overview und EPlan "ELCAD",

Pnozmulti

- Linear and rotary measuring systems

- Adjusting C0 and A0

 Tool clamp feedbacks, leakage monitoring, M19 setting

- Tool changer (chain magazine with Pragati changer)

 Machine parameters for the tool changer Rescue functions for cancellation and power failure.

- Diagnosis options of the control systems, inputs, outputs

- Switching from the direct to the indirect measuring system for service purposes

- Deselection of the motor spindle for spindle replacement

- Netzwork settings

- Data backup

Schedule overview and registration:



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DMU/DMC monoBLOCK

DMG MORI

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y426-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

- Confident handling of laptop and operating

system

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine,

machine overview

- Assembly group overview and functionality

- Measuring systems of the machine axes

- A and C axis, gear pre-tension

- Adjusting C0 and A0

- Hydraulic and pneumatic circuits

- Tool changer (wheel or chain magazine)
- Settings on the tool changer and the corresponding machine parameters. Rescue functions for cancellation and power failure.
- Instructions for disassembly/assembly and stretching of the ball screw
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission leadthrough, cooling circuit.
- Data backup on the control
- Resetting maintenance messages using the InspectionsKey

Schedule overview and registration:



DMU/DMC monoBLOCK



Control: Heidenhain (Variant according to availability)

Course-name: Electronics

Course-number: A-Y526-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine,

machine overview

- Assembly group overview and functionality

- Measuring systems of the machine axes

- A and C axis, gear pre-tension

- Adjusting C0 and A0.

- Switching from the direct to the indirect measuring system

acaring cycloni

- Tool changer (wheel or chain magazine)

- Settings on the tool changer and the corresponding machine parameters

- Rescue functions for cancellation and power failure

- Pallet changer / function sequence / settings

- Data backup on the control

- Resetting maintenance messages with the

InspectionsKey

Schedule overview and registration:



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DMU/DMC H monoBLOCK

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y243-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine,

machine overview

- Assembly group overview and functionality

- Measuring systems of the machine axes

- A and C axis, gear pre-tension

- Adjusting C0 and A0

- Hydraulic and pneumatic circuits

- Tool changer (wheel or chain magazine)

- Settings on the tool changer and the corresponding machine parameters. Rescue functions for cancellation and power failure.
- Instructions for disassembly/assembly and stretching of the ball screw
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission leadthrough, cooling circuit.
- Data backup on the control
- Resetting maintenance messages using the InspectionsKey

Schedule overview and registration:



DMU/DMC H monoBLOCK



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y343-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic structure of the milling machine,

machine overview

- Linear and rotary measuring systems

- Adjusting C0 and A0.

- Tool clamp feedbacks, leakage monitoring,

M19 setting

- Tool changer (chain magazine with Pragati

changer)

- Machine parameters for the tool changer Rescue functions for cancellation and po-

wer failure

- Diagnosis options of the control systems,

inputs, outputs

- Switching from the direct to the indirect me-

asuring system for service purposes

- Deselection of the motor spindle for spindle replacement

- Netzwork settings

- Data backup

Schedule overview and registration:



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DMU/DMC duoBLOCK P4

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y231-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

Operation of the control and the machine for troubleshooting

- Assembly group overview and functionality

- M19 setting, tool changer, settings (change positions), cycled tool magazine and auxiliary axis, function and settings. Help functions for cancellation and power failure.
- C axis and B axis gear pre-tension,
 C0 and B0 setting
- Structure and functionality of the pallet changer, settings of switches and hydraulics, help functions
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission lead through, cooling circuit
- Hydraulic and pneumatic diagramn
- Instructions for the assembly procedure for the disassembly / assembly of the ball screw, stretchingReckung
- Protocols for geometric measurement of the machine
- Data backup on the control
- Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:



DMU/DMC duoBLOCK P4



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y331-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine

- Data backup

machine overview, E-Plan "ELCAD", Profibus basics, Pnoz-Multi

- Linear and rotary measuring systems

- M19 setting

- Machine parameters for the assembly group "magazine wheels"

- Function sequence of the tool changer, tool position check

Rescue functions for cancellation and power failure

 Machine parameters and funktionality for the pallet changer, settings Hydac pressure switch, rescue functions.

- Field angle determination, FD table

- C0 and B0 setting

- Using machine documentation

Schedule overview and registration:



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DMU/DMC 80 duoBLOCK P4

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics
Course-number: A-Y431-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine for troubleshooting

- Assembly group overview and functionality

- M19 setting, tool changer, settings (change positions), cycled tool magazine and auxiliary axis, function and settings. Help functions for cancellation and power failure.
- C axis and B axis gear pre-tension,
 C0 and B0 setting
- Structure and functionality of the pallet changer, settings of switches and hydraulics, help functions
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission lead through, cooling circuit
- Hydraulic and pneumatic diagramn
- Instructions for the assembly procedure for the disassembly / assembly of the ball screw, stretching
- Protocols for geometric measurement of the machine
- Data backup on the control
- Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:





DMU/DMC 80 duoBLOCK P4



Control: Heidenhain (Variant according to availability)

Course-name: Electronics

Course-number: A-Y531-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine for troubleshooting

Machine overview, E-Plan "ELCAD", Profibus basics, Pnoz-Multi, ET 200 S

- Linear and rotary measuring systems

 M19 setting, machine parameters for the assembly group "vertical chain", functionality and settings. Help functions for cancellation and power failure

- C0 and B0 settings

- Functionality and machine parameters for the pallet changer, settings Hydac pressure switch, help functions

- Diagnosis options of the control, inputs, outputs, flags, oscilloscope functions

- Switching from the direct to the indirect measuring system for service purposes
- Measuring system replacement, linear axis
- Deselection of the motor spindle for spindle replacement
- Tool clamp feedbacks, leakage monitoring, M19 setting
- Data backup with TNCREMO_NT, logbook's, service file

Schedule overview and registration:



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DMU/DMC duoBLOCK P4 FD

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y232-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control

- Data backup on the control

Mechanical overview, functionality of individual assembly groups

- M19 setting, function sequence of the tool changer, setting (change positions) of the tool changer
- Cycled tool magazine and auxiliary axis, function and settings, rescue functions for cancellation and power failure
- Structure and functionality of the pallet changer, settings of switches and hydraulics, rescue functions
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission leadthrough, cooling circuit
- Hydraulic and pneumatic diagram
- Instructions for the assembly procedure for the disassembly / assembly of the ball screw, stretching
- Protocols for geometric measurement of the machine
- Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:





DMU/DMC duoBLOCK P4 FD



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y332-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine

- Data backup

- Machine overview, E-Plan "ELCAD", Profibus basics, Pnoz-Multi

- Linear and rotary measuring systems

- M19 setting

- Machine parameters for the assembly group "magazine wheels"

- Function sequence of the tool changer, tool position check

Rescue functions for cancellation and power failure

 Machine parameters and funktionality for the pallet changer, settings Hydac pressure switch, rescue functions.

- Field angle determination, FD table

- C0 and B0 setting

- Using machine documentation

Schedule overview and registration:



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DMU/DMC duoBLOCK P4 FD

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y432-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control

- Data backup on the control

Mechanical overview, functionality of individual assembly groups

dual assembly groups

 M19 setting, function sequence of the tool changer, setting (change positions) of the

tool changer

 Cycled tool magazine and auxiliary axis, function and settings, rescue functions for cancellation and power failure

- Structure and functionality of the pallet changer, settings of switches and hydraulics, rescue functions
- Instructions related to spindle and spindle bearing, tool clamp and rotary transmission leadthrough, cooling circuit
- Hydraulic and pneumatic diagram
- Instructions for the assembly procedure for the disassembly / assembly of the ball screw, stretching
- Protocols for geometric measurement of the machine
- Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:



DMU/DMC duoBLOCK P4 FD



Control: Heidenhain (Variant according to availability)

Course-name: Electronics

Course-number: A-Y532-D

Location: Pfronten

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine

- Data backup

- Machine overview, E-Plan "ELCAD", Profibus basics, Pnoz-Multi

- Linear and rotary measuring systems

- M19 setting

- Machine parameters for the assembly group "magazine wheels"

- Function sequence of the tool changer, tool position check

 Rescue functions for cancellation and power failure

 Machine parameters and funktionality for the pallet changer, settings Hydac pressure switch, rescue functions.

- Field angle determination, FD table

- C0 and B0 setting

- Using machine documentation

Schedule overview and registration:



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CMX V

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y241-D

Location: Geretsried

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine

- Structure and functionality of the individual

assembly groups

- Geometric set-up of the machine

- Structure of the roller guides

- Disassembly / assembly of the milling

spindle / motor spindle

- Functionality of the internal coolant supply

- Functionality of the spindle cooling system

- Functionality of the tool clamp

- Spindle alignment position

- Disassembly / assembly of the drive screw

- Adjusting reference points

- Functionality of the tool changer

- Setting the tool change positions

- Service functions / parameters

- Maintenance work

Schedule overview and registration:



CMX V



Control: Siemens (Variant according to availability)

Course-name: Electronics
Course-number: A-Y341-D

Location: Geretsried

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine

- Structure and functionality of the machine

- Hardware configuration

- Structure and function of the individual assembly groups

- Error list

- Handling of machine-specific parameters

- Adjusting reference points

- Adjustment work on the tool changer

- Determination of the change positions

- Procedure for drive module replacement

- Spindle alignment position

- Data transfer

- Service functions

- Troubleshooting and fault elimination

- Bus system

- Various options

- Data backup

Schedule overview and registration:



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DMV

DMG MORI

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics
Course-number: A-Y409-D
Location: Geretsried

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine

- Structure and functionality of the individual

assembly groups

- Geometric set-up of the machine

- Structure of the roller guides

- Disassembly / assembly of the milling

spindle / motor spindle

- Functionality of the internal coolant supply

- Functionality of the spindle cooling system

- Functionality of the tool clamp

- Spindle alignment position

- Disassembly / assembly of the drive screw

- Adjusting reference points

- Functionality of the tool changer

- Setting the tool change positions

- Service functions / parameters

- Maintenance work

Schedule overview and registration:



DMV



Control: Heidenhain (Variant according to availability)

Course-name: Electronics
Course-number: A-Y509-D
Location: Geretsried

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control and the machine

- Structure and functionality of the machine

- Hardware configuration

- Structure and functionality of the individual

assembly groups

- Error list

- Handling of machine-specific parameters

- Set reference points

- Adjustment work on the tool changer

- Determination of the change positions

- Procedure for drive module replacement

- Spindle alignment position

- Data transfer

- Service functions

- Troubleshooting and fault elimination

- Bus system

- Various options

- Data backup

Schedule overview and registration:



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DMP 35 / 70

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics

Course-number: A-Y237-D

Location: Geretsried

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine

- Structure and functionality of the individual

assembly groups

- Geometric set-up of the machine

- Structure of the roller guides

- Disassembly / assembly of the milling

spindle

- Functionality of the spindle cooling

- Functionality of the tool clamp

- Spindle alignment position

- Disassembly / assembly of the drive screw

- Adjusting reference points

- Functionality of the tool changer

- Setting the tool change positions

- Service functions / parameters

- Maintenance work

DMP 70

Schedule overview and registration:



DMP 70

DMP 35 / 70

Location:

Control: Siemens (Variant according to availability)

Course-name: Electronics
Course-number: A-Y337-D

Duration: 4,5 days

Objective: The employee acquires the authorisation to

Geretsried

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Operation of the control

- Structure and functionality of the machine

- Hardware configuration

- Structure and functionality of the individual

assembly groups

- Error list

- Parameters

- Set reference points

- Adjustment work on the tool changer

- Setting up the tool changer, change positi-

ons

- Spindle alignment position

- Data transfer

- Service functions

- Troubleshooting and fault elimination

- Bus system

- Options

- Data backup

Schedule overview and registration:



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DMU 40 / DMU 50 3rd Generation

Control: Siemens (Variant according to availability)

Course-name: Mechanics
Course-number: A-Y222-D

Duration: 4,5 days

Location:

Objective: The employee acquires the authorisation to

Seebach

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine /

assembly groups

- Geometric set-up of the machine

- Structure of the linear guide

- Geometric adjustments

- Measuring system replacement and path

setting

- Structure of the two-axis NC swivelling rotary table with gear (simultaneous table)

- Disassembly and reassembly of the main spindle and setting work

- Service work on the motor spindle

- Disassembly and reassembly of the ball

screw

- Reference point setting for the rotary axes

- Maintenance work instructions

- Kinematics

- 3D-QuickSet

 Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:



DMU 40 / DMU 50 3rd Generation



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y322-D

Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Introduction of the control and user inter-

face

- Structure and functionality of the magazine

/ tool changer

- Bus system basics

- Service functions of the control

- Troubleshooting and fault elimination

- Component replacement

- Structure, functionality, diagnosis of the

drive system S120

- Maintenance work instructions

Schedule overview and registration:



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DMU 40 / DMU 50 3rd Generation

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics
Course-number: A-Y422-D
Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine /

assembly groups

- Geometric set-up of the machine

- Structure of the linear guide

- Geometric adjustments

- Measuring system replacement and path

setting

- Structure of the two-axis NC swivelling rotary table with gear (simultaneous table)

- Disassembly and reassembly of the main spindle and setting work

- Service work on the motor spindle

- Disassembly and reassembly of the ball screw

- Reference point setting for the rotary axes

- Maintenance work instructions
- Kinematics
- 3D-QuickSet
- Resetting maintenance messages with the InspectionsKey

Schedule overview and registration:



DMU 40 / DMU 50 3rd Generation



Control: Heidenhain (Variant according to availability)

Course-name: Electronics

Course-number: A-Y522-D

Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Basic handling of TNC 640 with Celos

- Overview and functionality of the control

hardware in use
- Basics of data backup

- Save config data via the control

- Data backup with TNCremo (external

and internal via control)

- Machine parameters

- Structure

- editing / creating new parameters

- Comparison parameters iTNC530 /

TNC640

- Structure and functionality HSCI bus

- Basics of Profibus / ASi-bus

- Structure and functionality of the tool changer

- Diagnosis options of the control

- Worklist

- Forcelist

- Integrated oscilloscope

- online Monitor

 Diagnosis and troubleshooting on the PNOZmulti safety switching unit

- Overview of the help and rescue functions of the controller

Schedule overview and registration:



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DMU eVo / lin

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics A-Y219-D Course-number:

Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine /

assembly groups

- Geometric set-up of the machine

- Structure of the linear guide

- Geometric adjustments

- Measuring system replacement

- Functionality / start-up of the linear drive

- Structure of the two-axis NC swivelling

rotary table

- Setting of gear pre-tension

- Replacement of ROD B axis / reference

point setting

- Instruction maintenance work

- Motor spindle rotor replacement

(EasyChange)

- Service work on the motor spindle

- Kinematics

- 3D-QuickSet

- Resetting maintenance messages with the

InspectionsKey

Schedule overview and registration:



DMU eVo / lin



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y319-D

Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Introduction of the control and user inter-

tace

- Basics of Profibus / ASi-bus

- Structure and functionality of the chain ma-

gazine

- Adjustment work on the chain magazine

with Siemens S110

- Structure and functionality of the double

gripper changer

- Determining the tool change positions

- Data backup and network connection

- Service functions; inputs and outputs

- Troubleshooting and fault elimination

- Functionality of the cooling unit

- Diagnosis using PNOZmuli

Schedule overview and registration:



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DMU eVo / lin

DMG MORI

Control: Heidenhain (Variant according to availability)

Course-name: Mechanics A-Y420-D Course-number:

Location: Seebach **Duration:** 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Structure and functionality of the machine /

assembly groups

- Geometric set-up of the machine

- Structure of the linear guide

- Geometric adjustments

- Measuring system replacement

- Functionality / start-up of the linear drive

- Structure of the two-axis NC swivelling

rotary table

- Setting of gear pre-tension

- Replacement of ROD B axis / reference

point setting

- Instruction maintenance work

- Motor spindle rotor replacement

(EasyChange)

- Service work on the motor spindle

- Kinematics

- 3D-QuickSet

- Resetting maintenance messages with the

InspectionsKey

Schedule overview and registration:



DMU eVo / lin



Control: Heidenhain (Variant according to availability)

Course-name: Electronics

Course-number: A-Y520-D

Location: Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Introduction of the control and user inter-

tace

- Basics of Profibus / ASi-bus

- Structure and functionality of the chain ma-

gazine

- Adjustment work on the chain magazine

- Structure and functionality of the double

gripper changer

- Determining the tool change positions

- Data backup and network connection

- Service functions; inputs and outputs

- Troubleshooting and fault elimination

- Functionality of the cooling unit

- Diagnosis using PNOZmuli

Schedule overview and registration:



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DMF

DMG MORI

Control: Siemens (Variant according to availability)

Course-name: Mechanics
Course-number: A-Y217-D

Location: Geretsried / Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Completed vocational training in metalwor-

king

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Machine overview / structure and functiona-

lity

- Re-adjustment of the bed set-up using Le-

veltronic

- Disassembly / assembly of the motor spind-

le

functionality of the internal coolant supply, spindle cooling and tool clamp

spindle alignment position

- Functionality of the B axis / gear pre-tensi-

on

- Geometric adjustment work

- Functionality of the gantry unit

- Setting of the tool change positions

- Kinematics with 3D-QuickSet

- Scale replacement Z axis and path setting

- Gantry setting

 Overview of machine maintenance work (Servicekey, if applicable)

Schedule overview and registration:



DMF



Control: Siemens (Variant according to availability)

Course-name: Electronics

Course-number: A-Y317-D

Location: Geretsried / Seebach

Duration: 4,5 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Electrotechnical training

Work equipment: - Work clothes, safety shoes

- Laptop / Network cable at least 5m

Content: - Safety regulations

- Introduction of control and user interface

- Basics of Profibus / ASi-bus

- Data backup; Data transfer

- Network connection of the control

- Service functions

- Troubleshooting and fault elimination

- Set-up work on the tool changer and maga-

zine

- Determining the tool change positions

- Tool changer rescue functions

Schedule overview and registration:



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Alignment after collision DMU/DMC monoBLOCK

DMG MORI

Control: Control independent

Course-name: Advanced Mechanics

Course-number: A-Y842-D

Location: Pfronten

Duration: 2,0 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Experience with DMG machines

Machine operator

Work equipment: - Work clothes, safety shoes

Content: - Checking the machine alignment by means

of Niveltronic

- Geometric measurements acc. to acceptance protocol

tarroo protoo

- Visual inspection of the guides and roller

shoes

- Kinematic measurement for 5-axis machi-

nes (3D-QuickSet)

- Checking the SW limit switches and tool change positions on Encoder machines

- If necessary, undoing and re-tightening the screws of the spindle flange and checking

again.

Schedule overview and registration:



DMG MORI

Alignment after collision DMU/DMC duoBLOCK



Control: Control independent

Course-name: Advanced Mechanics

Course-number: A-Y843-D

Location: Pfronten

Duration: 2,0 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Experience with DMG machines

Machine operator

Work equipment: - Work clothes, safety shoes

Content: - Checking the machine alignment by means of Niveltronic

- Geometric measurements acc. to accep-

tance protocol

- Visual inspection of the guides and roller

shoes

- Kinematic measurement for 5-axis machi-

nes (3D-QuickSet)

- Checking the SW limit switches and tool change positions on Encoder machines

 If necessary, undoing and re-tightening the screws of the spindle flange and checking again.

agairi

Schedule overview and registration:



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Alignment after collision DMV / DMUeVo/lin / CMX U / CMX V

DMG MORI

Control: Control independent

Course-name: Advanced Mechanics

Course-number: A-Y841-D

Location: Geretsried / Seebach

Duration: 2,0 days

Objective: The employee acquires the authorisation to

carry out service work within the scope of the

described seminar contents.

Requirements: - Experience with DMG machines

Machine operator

Work equipment: - Work clothes, safety shoes

Content: - Checking the machine alignment by means

of Niveltronic

Geometric measurements acc. to acceptance protocol

tarioo proto

- Visual inspection of the guides and roller

shoes

- Kinematic measurement for 5-axis machi-

nes (3D-QuickSet)

- Checking the SW limit switches and tool change positions on Encoder machines

- If necessary, undoing and re-tightening the screws of the spindle flange and checking

again.

Schedule overview and registration:



DMG MORI

Individual training

Control: Control independent Course-name: Specific to the customer Course-number: A-Yxxx-D Location: At DMG MORI Academy or on site at your company Duration: As required Objective: Individual training is orientated at specific requirements of the customer It educates your technicians according your needs. Requirements: - Depending of training contents: - Completed vocational training in metalworking or electrotechnical training Content: - If you don't find a training in this catalouge which fits to your requirements, please contanct us. Togehter we will coordinate the contents and create a course which fits to your needs. **DMG MORI Academy** DMG MORI Technium Europe GmbH Lausitzer Straße 7 D - 82538 Geretsried Service Training Customers Mrs. Brigitte Penzl Tel.: +49-8171-817-3302 Fax: +49-8171-817-883302 E-Mail: training.fraesen.service@dmgmori.com

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DMG MORI

Registration

Registration and overview of dates at:

https://training.dmgmori.com

or use the QR code on the course page to go directly to the desired course.

If you do not yet have a DMG MORI account, you can register here free of charge in the first step and use all DMG MORI digital services around the clock in the future.

Once you have successfully registered for the training course, you will receive a confirmation email and a link to the training course learning path. There you will receive general information about the training, e.g. also in case of date changes, access to training documents and certificates. We will also send you further information in a separate e-mail in good time.



Terms of Trade

General terms and conditions of DMG MORI Technium Europe GmbH for training services

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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"). Technium Europe is an affiliate of DMG MORI Co. Ltd. based in Nagoya, Japan.
- 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 htt-ps://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.
- 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.

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4. Non-paticipant and cacellation

- 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 (Prod-HaftG)).

6. Copyright law

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

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DIRECTIONS DMG MORI ACADEMY GERETSRIED

DMG MORI



Main entrance DMG MORI

Visitor parking

Adress for navigation system:

DMG MORI Academy

Lausitzer Str. 7

82538 Geretsried

Registration for **course participants**: Main entrance DMG MORI

Contact service training:

Tel.: +49 8171 / 8173302

E-Mail: <u>training.fraesen.service@dmgmori.com</u>

HOTEL OVERVIEW GERETSRIED

DMG MORI

Posthotel Hofherr

Hauptstr. 31

82549 Königsdorf

Tel.: +49 8179 / 5090

www.posthotel-hofherr.de

Distance to company: 6 km

Gasthof Isarwinkel

Richard-Wagner-Str. 14

82538 Geretsried

Tel.: +49 8171 / 31307

www.isarwinkel-geretsried.de

Distance to company: 1,3 km

Landhaus Hotel

Sauerlacher Str. 10

82515 Wolfratshausen

Tel.: +49 8171 / 216570

www.landhaushotel.de

Distance to company: 9,6 km

Hotel am Wald

Austraße 39

83646 Bad Tölz

Tel.: +49 8041 / 78830

www.hotel-wald.de

Distance to company: 14,2 km

Hotel Servus Gelting

Wolfratshauser Str. 24

82538 Geretsried

Tel.: +49 8171 / 42520

www.servus-gelting.de

Distance to company: 8,6 km

Hotel Bergblick

Wackersberger Str. 21

83646 Bad Tölz

Tel.: +49 8041 / 7994000

www.hotel-bergblick.de

Distance to company: 17,1 km

Hotel Isartaler Hof

Sauerlacher Str. 47c

82515 Wolfratshausen

Tel.: +49 8171 / 2388122

www.hotel-isartaler-hof.de

Distance to company: 9,5 km

DMG MORI ACADEMY

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DIRECTIONS DMG MORI ACADEMY PFRONTEN

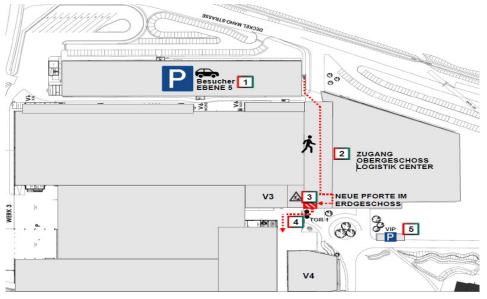




Adress for navigation system:
DECKEL MAHO-Straße 1
87459 Pfronten
Access via Badstraße

Parking area for customers: Parking garage level 5 or in the front of the garage.

Registration for **course participants**:
Main entrance gate 1
DECKEL MAHO-Straße 1



Contact **service training**:

Tel.: +49 8171 / 817 - 3302

E-Mail: training.fraesen.service@dmgmori.com

DMG MORI ACADEMY

HOTEL OVERVIEW PFRONTEN

DMG MORI

Alpenhotel Krone

Tiroler Str. 29 87459 Pfronten

Tel.: +49 8363 / 69050 www.alpenhotelkrone.de/

Distance to company: 0,9 km

Babel's Auszeit

Am Sonnenhang 3/3a 87459 Pfronten

Tel.: +49 8363 / 73201

www.babels-auszeit.de

Distance to company: 2,3 km

Hotel Zugspitzblick

Edelsbergweg 71 87459 Pfronten

Tel.: +49 8363 / 91010 www.zugspitzblick.de

Distance to company: 3,4 km

Pension Vendel

Achtalstr. 26 87459 Pfronten-Steinach

Tel.: +49 8363 / 92710 www.pension-vendel.de

Distance to company: 0,7 km

Landgut Wohlfart-Reich

Tiroler Str. 111A 87459 Pfronten-Steinach

Tel.: +49 8363 / 5303

www.landgut-wohlfart.de

Distance to company: 0,4 km

Alpenlandhaus Carola Dirr

Michael-Babel-Str. 3 87459 Pfronten-Steinach

Tel.: +49 8363 / 391

www.alpenlandhaus.net

Distance to company: 0,6 km

Gasthof Adler

Tiroler Str. 7 87459 Pfronten

Tel.: +49 8363 / 927337

www.adlerpfronten.de

Distance to company: 1 km

Hotel Bergidyll

Römerweg 1 87459 Pfronten-Steinach

Tel.: +49 8363 / 8754

www.hotel-bergidyll.com

Distance to company: 0,3 km

Gästehaus Gomilar

Mittlerer Hauswang 7 87459 Pfronten

Tel.: +49 8363 / 1780

Distance to company: 0,7 km

Gasthof/ Hotel Aggenstein

Tiroler Str. 124

87459 Pfronten-Steinach

Tel.: +49 8363 / 382

www.gasthof-aggenstein.de

Distance to company: 0,3 km

Das Landhaus - Schöllner

Scheiberweg 15 87459 Pfronten-Steinach

Tel.: +49 8363 / 8150

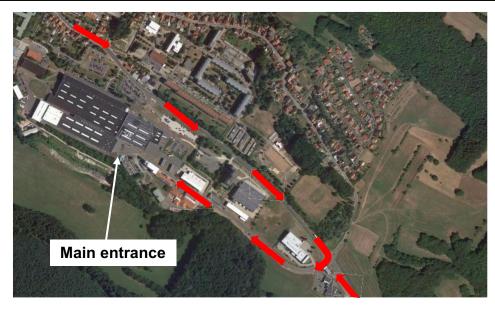
www.daslandhaus-pfronten.de

Distance to company: 0,8 km

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DIRECTIONS DMG MORI ACADEMY SEEBACH





Visitor parking

DMG MORI Academy
Neue Straße 61
99846 Seebach

Adress for navigation system: **DMG MORI Academy**

Neue Str. 61 99846 Seebach

Registration for **course participants**:

Main entrance (by car) then park on the factory premises

Contact service training:

Tel.: +49 8171 / 8173302

E-Mail: training.fraesen.service@dmgmori.com

HOTEL OVERVIEW SEEBACH

DMG MORI

Vienna House Thüringer Hof

Karlsplatz 11

99817 Eisenach

Tel.: +49 3691 / 280

www.viennahouse.de

Distance to company: 12,9 km

Rennsteighof Waldhotel

Liebensteiner Str. 108

99891 Winterstein

Tel.: +49 36929 / 6020

www.rennsteighof.de

Distance to company: 14 km

Aktivhotel Inselsberg

Lauchagrundstr. 64

99891 Tabarz

Tel.: +49 36259 / 1230 0

www.aktivhotel-inselsberg.de

Distance to company: 12,8 km

Logotel

Karl-Marx-Str. 30

99817 Eisenach

Tel.: +49 3691 / 2350

www.logotel.de

Distance to company: 13,3 km

Sophien Hotel

Sophienstraße 41

99817 Eisenach

Tel.: +49 3691 / 251 0

www.goebel-hotels.com/ eisenach/sophienhotel

Distance to company: 14,7 km

Hotel Kaiserhof

Wartburgallee 2

99817 Eisenach

Tel.: +49 3691 / 88890

www.kaiserhof-eisenach.de

Distance to company: 12,6 km

AKZENT Hotel "Zur Post" e.K.

Lauchagrundstr. 16

99891 Tabarz

Tel.: +49 36259 / 6660

www.hotel-tabarz.de

Distance to company: 26,7 km

HIGHLIGHTS



DMG MORI Technium Europe GmbH

Gildemeisterstraße 60 | D-33689 Bielefeld Tel.: +49 (0) 52 05/74 – 2501 E-Mail: academy@dmgmori.com

