



Training program

Application training STÖBER Electronics



**For project engineers,
programmers,
commissioning engineers
and maintenance staff**



STÖBER

1. SC6, SI6 and SD6 drive controllers



Course: G6 Basic

TARGET GROUP:

Project engineers, programmers, commissioning engineers and maintenance staff

CONTENT OF TRAINING:

- System overview, installation and commissioning for the 6th generation of drive controllers (SC6, SI6 and SD6)
- Use of option modules
- Parameterization, commissioning and diagnosis with the DriveControlSuite project planning and commissioning software
- Remote maintenance
- Basics of controller optimization
- Configuration of the drive train
- Integrated software functions
- Software applications
- Connection to a higher-level controller
- Basics of safety technology
- Practical exercises on training structure
- Software used:
DriveControlSuite

Course: G6 Advanced

TARGET GROUP:

Project engineers, programmers, commissioning engineers and maintenance staff

CONTENT OF TRAINING:

- Graphic programming with CFC
- Special knowledge of control engineering
- Special knowledge of control technology
- Special knowledge of safety technology
- Practical exercises on training structure

2. MC6 motion controller



Course: MC6 Basic

TARGET GROUP:

Project engineers, programmers, commissioning engineers and maintenance staff

CONTENT OF TRAINING:

- PLC programming acc. to IEC 61131-3
- Data types, operators, instructions and pointers
- The programming languages ST, CFC, AS, AWL, FUP and KOP
- Creation of programs, function blocks and functions with transfer parameters
- Simple remote diagnosis via Trace, Debug, Watchlists and Force
- Visualization for operation generation
- General basic knowledge about SoftMotion
- Parameterization of drives
- Configuration of STOBER drives
- Using real and virtual axes and encoders with PLCopen® modules
- Using a master/slave coupling
- Disc cam applications with cam function
- Practical exercises on training structure
- Using STOBER Drive&Motion library modules
- Software used: AutomationControlSuite

Course: MC6 CNC Advanced

TARGET GROUP:

Project engineers and programmers

CONTENT OF TRAINING:

- General basic knowledge about CNC track control
- Creation of CNC programs in the editor according to DIN 66025 in G-code
- Integration of NC decoder and CNC interpolator modules
- Using objects of the track preprocessing
- 15 different transformation modules with the associated visualization elements
- Practical exercises on training structure
- Using STOBER Drive&Motion library modules

2. MC6 motion controller



Course: MC6 Advanced Robotics

TARGET GROUP:

Project engineers and programmers

CONTENT OF TRAINING:

- General basic knowledge about robotics
- Creation of programs in an editor in accordance with the PLCopen Motion Part 4 definition
- Parameterization of axis groups for predefined kinematics such as gantry robots (2/3/5 axes), bipod/tripod robots, SCARA robots
- Integration of additional tool kinematics
- Integrated motion planning with coordinate values for robot positions in different coordinate systems
- Practical exercises on training topics
- Application of STOBER Drive&Motion library blocks

3. SDS 5000 and MDS 5000 MC6 motion controller servo inverters



Course: G5 Basic

TARGET GROUP:

Project engineers, programmers, commissioning engineers and maintenance staff

CONTENT OF TRAINING:

- System overview, installation and commissioning for the 5th generation of drive controllers (SDS 5000, MDS 5000)
- Use of option modules
- Parameterization, commissioning and diagnosis via the integrated display and with the POSITool project planning and commissioning software
- Remote maintenance
- Basics of controller optimization
- Configuration of the drive train
- Integrated software functions
- Software applications
- Connection to a higher-level controller
- Basics of safety technology
- Practical exercises on training structure
- Software used: POSITool

Course: G5 Advanced

TARGET GROUP:

Project engineers, programmers, commissioning engineers and maintenance staff

CONTENT OF TRAINING:

- Graphic programming with CFC
- Special knowledge of control engineering
- Special knowledge of control technology
- Special knowledge of safety technology
- Practical exercises on training structure

Dates



Course duration:	Start 8am – End 4.30pm
Course fees:	Per person per day = 440 Euro plus VAT
The price includes:	Training documents and catering during training
Number of participants:	Min. 3 and max. 8 persons
Training location:	Pforzheim, Kieselbronner Strasse 12
Requests:	training@stoeber.de



STOBER Service

The STOBER service network includes 38 trusted partners in Germany.

They guide you through commissioning, available on-site in case of faults and offer expert technical advice.

Service Hotline

+49 7231 582-3000

The STOBER service specialists can be reached around the clock and if needed, they can be on-site quickly. Thanks to their experience, they are often able to guide your employees through suitable immediate measures over the phone. What's more, STOBER drive controllers allow for maintenance via remote access.

STOBER Service Network

The STOBER INTERNATIONAL SERVICE NETWORK offers worldwide support and service. It includes over 80 top-performing service partners in 39 countries.

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