

FormCutter Plus expert training

Seminar:

FormCutter Plus operator, maintenance and programming training.

Target group:

Service technician and commissioning engineer

Objectives:

Participants will learn how to operate the FormCutter Plus and make corrections to the configuration.

Analyse cutting results and eliminate errors as well as understand the program flow and perform program adjustments.

Perform complex fault analysis, replace spare parts and replacement parts, replace the head and axes independently and restart the system.

Evaluate quality problems and identify corrective measure to address them. Turning and adapting figures, exchanging axis belts, repair and replace the optical components of the head.

Duration:

3 Days

Number of participants:

max. 4 participants

Seminar content:

1. System structure

- a. Components FormCutter Plus
- b. System overview
- c. System variants

2. Connections Interfaces (Theory)

- a. Socket connections
- b. Media connections (cutting gas / water cooling)
- c. Input / output interface
- d. Internal cables and interfaces

3. Installation (theory and practice)

- a. Connect the controller and start
- b. Cutting head/axis functions and connections
- c. Cabinet overview
- d. Circuit diagram overview

4. FormDrive and SolidCutter (theory and practice)

- a. Structure X, Y and Z-axis
- b. Handling optics settings
- c. Handling and cleaning protection glass and focusing lens
- d. Working in the flowbox
- e. Cleaning, control and function of the sensor insert
- f. Exchange cutting head and/or axis
- g. Spare parts of the cutting head

5. Software menus and commands (theory)

- a. Basic operation
- b. Program description
- c. Software operation
- d. System parameter settings
- e. Input / output interface to the robot
- f. Distance control function (Lasermatic-Z and EG8110)

6. Practical exercises in the laser cell

- a. Distance measurement
- b. Cutting and cutting evaluation
- c. Optic errors and their impact

7. FormDrive (theory and practice)

- a. Structure and function X-Y-axis
- b. Functionality of the FormDrive system
- c. Maintenance and service (belt exchange)

8. Software, user interface and commands (theory)

- a. User interface FC Plus
- b. I/O interface communication test
- c. I/O Timing Test
- d. System parameter settings
- e. Error messages
- f. Transmission and backup of NC and parameter data
- g. Software operation

9. Parameter programming (theory and practice)

- a. NC-control and commands
- b. Sequence routines (speed, piercing, etc.)
- c. NC-example program
- d. Figure customization and reprogramming (rotate, compress, copy)
- e. Practical test of the figures

10. Remote support and software packages

- a. Notebook
- b. UltraVNC Viewer
- c. FileZilla
- d. TeamViewer
- e. B&R Automation Studio 4.2 Runtime Utility Center
- f. Remote access by Precitec (depending on options)

End of seminar

After successful completion of the course, a certificate is issued.

Questions

For further information or questions please contact Mr Iannotta at:

training@precitec.de

adminservice@precitec.de

Phone: +49 7225 684 399