

ProCutter 2.0 training

Targets:

Service and commissioning engineer / OEM Customer

Target:

The target of the training is to install, operate, maintain and exchange the ProCutter 2.0 and its variants.

During the training the maintenance and repair operations, that can be performed by an OEM, are presented and practically trained. The training is necessary for the change of optical modules and all qualified topics for OEM according to the service manual.

Part of the training is error prevention, error analysis and diagnostics. Additionally, working inside a flow box using adequate cleaning tools and liquids will be trained.

Details:

Costs per participant:	1.500, - €
training term:	2 days
training date:	22 nd and 23 rd of October 2020, Thursday 09:00 to 17:00, Friday 08:00 to 16:00 in Gaggenau, Germany
max. participants in total:	6 persons
training language:	English

Seminar content:

1. System structure

- a. Product description ProCutter 2.0
- b. ProCutter 2.0 variants

2. Connections (theory)

- a. Mounting on site the ProCutter 2.0
- b. Media connections (cutting gas, cooling water)
- c. Electrical connections
- d. Connections distance control sensor

3. Installation (practice)

- a. Mounting the ProCutter 2.0
- b. Media connections (cutting gas, cooling water)
- c. Connection of the distance sensor
- d. Connection the adjustment device EG

4. Software settings, menus and commands (theory)

- a. Software settings
- b. Signal flow of the program
- c. Interface description and timing diagram
- d. Errors

5. Communication with the ProCutter 2.0 app

- a. Connection
- b. Settings and diagnostic
- c. Data Logging

6. Settings EG unit (practice)

- a. Device operation
- b. Connection IO/Bus
- c. Settings: calibration, homing, ...
- d. Error messages

7. Handling Optics (theory)

- a. Optic replacement
- b. Optic check
- c. Optic cleaning

8. Cleaning optics (practice)

- a. Handling collimation
- b. Protection of the fiber socket
- c. Pre-cleaning of the optics
- d. Cleaning inside a FlowBox
- e. Maintenance for OEM (Service)
- f. Recommended spare parts

9. ProCutter 2.0 settings (practice)

- a. Centring of the laser beam (X-Y)
- b. Set up the focus position
- c. Set up the working distance

10. Troubleshooting (practice)

- a. Cutting errors
- b. Error messages EG
- c. Error messages sensor

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

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