

ProCutter training

Target group:

Service and commissioning engineer / Original Equipment Manufacturer (OEM) customer

Objective:

Participants will learn how to Install, operate, maintain and exchange the ProCutter and its variants.

Maintenance and repair operations, that can be performed by an OEM, are presented and practiced through lab exercises. The training is necessary for the exchange of optical modules and all qualified topics for OEM according to the service manual.

Error prevention, error analysis and diagnostics are also covered in this training. Additionally, participants will be instructed how to properly work inside a flow box using adequate cleaning tools and liquids.

Duration:

2 Days

Number of participants:

max. 4 participants

Seminar content:

1. System structure

- a. Product description ProCutter
- b. ProCutter variants

2. Connections (theory)

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

3. Installation (practice)

- a. Mounting the ProCutter
- b. Media (cutting gas, cooling water)
- c. Connecting the distance sensor
- d. Connecting 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 app

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

6. Settings EG unit (practice)

- a. Device operation
- b. Connecting the IO/Bus
- c. Settings: calibration, homing, etc.
- 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 fibre socket
- c. Pre-cleaning of the optics
- d. Cleaning inside a Flowbox
- e. Maintenance for OEM (service)
- f. Recommended spare parts

9. ProCutter 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:

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