

LightCutter training

Target group:

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

Objectives:

Participants will learn how to install, operate, maintain and exchange the LightCutter and its variants.

Maintenance and repair operations, that can be performed by an OEM, are presented and practiced through lab exercises. This 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 flowbox using adequate cleaning tools and liquids.

Duration:

1 Day

Number of participants:

max. 4 participants

Seminar content:

1. System structure

- a. Product description LightCutter
- b. LightCutter variants

2. Connections (theory)

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

3. Installation (practice)

- a. Mounting the LightCutter
- b. Media connections (cutting gas, cooling water)
- c. Connection of the distance sensor
- d. Connection of 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. Settings EG unit (practice)

- a. Device operation
- b. Connecting the IO/Bus
- c. Settings: calibration, etc.
- d. Error messages

6. Handling optics (theory)

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

7. 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

8. LightCutter settings (practice)

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

9. 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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