

LightCutter training

You have purchased a LightCutter or already integrated it into your plant and now you would like to be able to carry out first-class operation, maintenance and repair in accordance with the regulations?

In this training you will learn everything about the LightCutter and its variants.

We will introduce you to the maintenance and repair procedures and then execute them into practice. Especially for the replacement of optical modules and all other qualified topics according to the service manual, this training is absolutely necessary to guarantee a smooth maintenance and repair. Error prevention, error analysis and diagnosis are an essential component and are supplemented by working in a Flowbox with suitable cleaning tools and fluids.

Target group: Service technician and commissioning engineer / OEM customer

Targets:

- ✓ Installation, operation, maintenance and replacement of the LightCutter and its variants
- ✓ Replacement of optical modules
- ✓ Error prevention, error analysis and diagnosis
- ✓ Working in a Flowbox

Duration: 1 day

Number of participants: max. 4 participants

Catering: Catering will be provided on site and is included in the price.

End of training:

After successful completion of the training, a certificate is issued with key points learned.



Guideline for the training program:

Training packages – Part 1

System structure (theory)
<ul style="list-style-type: none"> - Product description LightCutter - Explanation of the variants
Connections (theory)
<ul style="list-style-type: none"> - Mounting the LightCutter on site - Media (cutting gas / cooling water) - Electrical - Distance control sensor
Installation (practice)
<ul style="list-style-type: none"> - Mounting the LightCutter - Media (cutting gas / cooling water) - Connecting the distance sensor - Connecting the adjustment device (EG)
Software settings, menus and commands (theory)
<ul style="list-style-type: none"> - Software settings - Signal flow of the program - Interface description and timing diagram - Errors

Training packages – Part 2

Settings EG unit (practice)

- Device operation
- Connecting the IO/Bus
- Calibration, homing, etc.
- Error messages

Handling optics (theory)

- Optic replacement
- Optic check
- Optic cleaning

Cleaning optics (practice)

- Handling collimation
- Protection of the fibre socket
- Pre-cleaning of the optics
- Cleaning inside a Flowbox
- Maintenance for OEM (service)
- Recommended spare parts

LightCutter settings (practice)

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

Troubleshooting (practice)

- Cutting errors
- Error messages EG
- Error messages Sensor

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Our training centers – Route descriptions and hotel recommendations:

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