



# LIGHTCUTTER 2.0 EXPERT TRAINING



Have you purchased a LightCutter 2.0 or already integrated it into your system and would now like to be able to carry out proper, first-class operation, maintenance and repairs?

IN THIS TRAINING YOU WILL LEARN  
THE REPLACEMENT OF THE  
LIGHTCUTTER 2.0 AND ITS VARIANTS.

We first introduce you to the maintenance procedures and then put them into practice. This training is particularly mandatory for changing optical modules and all other qualified topics according to the service manual. It ensures smooth installation, replacement and operation. Error prevention, error analysis and diagnosis are an essential part and are complemented by working in a flowbox with suitable cleaning tools and liquids.

**Target group:** Service technicians and commissioning engineers / OEM customers

**Training location:** Gaggenau

**Goals:**

- Installation, operation, maintenance and replacement of the LightCutter 2.0
- Changing the optical modules
- Error prevention, error analysis and diagnosis
- Working in a flowbox

**Duration:** 1 day

**Number of participants:** Maximum 6

**Food:** Meals are provided on site and are included in the price.

**Seminar conclusion:** After successfully completing the training, a certificate will be issued with the areas of focus learned.

Price on request



## OUR TRAINING TEAM

### Guido Pfrommer

Service engineer

Our technicians are masters of their field and, through our training team, offer you many years of practical experience in the areas of commissioning, service and maintenance. We offer you exciting insights into the technology behind the product, you will learn how to use the product and the necessary specialist knowledge. Practical experience is everything for us.

# TRAINING CONTENT

## LightCutter

### System structure

- Product description LightCutter 2.0
- Explanation of the variants

### Connections

- Mounting the LightCutter 2.0
- Media connections (cutting gas / water cooling)
- Electrical connections
- Connection of the distance control

### Control

- Interface and timing diagram
- Error patterns

### Installation

- Mounting the LightCutter 2.0
- Media connections (cutting gas / water cooling)
- Distance sensor connection
- Connection of the setting device (EG)

### Software settings, menus and commands

- Service
- IO / fieldbus connection
- EG 80XX / Cutbox
- Calibration, reference travel, e.g.
- Error messages

### Dealing with optics

- Technical cleanliness of laser optics
- Inspection and cleaning

### Cleaning the optics

- Maintenance for OEM (service)
- Pre-cleaning of the optics
- Cleaning in the flowbox
- Dealing with the optics
- Protection of the fiber socket
- Recommended spare parts

### LightCutter 2.0 Settings

- Centering the laser beam (X–Y)
- Focus position and working distance

### Troubleshooting

- Correct cutting errors
- Error messages on the EG 80XX / Cutbox
- Sensor error messages

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50 YEARS OF EXPERIENCE.



## OUR TRAINING CENTERS DIRECTIONS AND HOTEL RECOMMENDATIONS

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