

## ProCutter training

### Targets:

Service and commissioning engineer / OEM Customer

### Target:

The target of the training is to install, operate, maintain and exchange the ProCutter 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:

<b>Costs per participant:</b>	1.500, - €
<b>training term:</b>	2 days
<b>training date:</b>	28 <sup>th</sup> and 29 <sup>th</sup> of September 2020, Monday 09:00 to 17:00, Tuesday 08:00 to 16:00 in Gaggenau, Germany
<b>max. participants in total:</b>	6 persons
<b>training language:</b>	German

## Seminar content:

### 1. System structure

- a. Product description ProCutter
- b. ProCutter variants

### 2. Connections (theory)

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

### 3. Installation (practice)

- a. Mounting the ProCutter
- 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 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 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](mailto:training@precitec.de)

[adminservice@precitec.de](mailto:adminservice@precitec.de)

Telefon: +49 7225 684 399

## ORDER ProCutter training

Dear Sir or Madame,

Hereby I want to order the training on 28<sup>th</sup> and 29<sup>th</sup> of September 2020.

customer no.				
customer name				
address				
your order no.				
commercial contact	first name	last name	e-mail adress	phone no.
Participant 1	first name	last name	e-mail adress	phone no.
Participant 2	first name	last name	e-mail adress	phone no.
company stamp	signature			
Place	date			

For further information please call us on +49 7225 684 399 and ask for Mr. Iannotta.  
 We reserve us the right to cancel the training up to 4 weeks before the scheduled date.

**Please note: Send the order to Precitec GmbH & Co. KG D-76571 Gaggenau;**

**E-Mail: [training@precitec.de](mailto:training@precitec.de) or FAX: +49 7225 684 900!**

**Our terms of payment are always subject to a solvency check of the customer and thereby associated with a possible modification of its terms of payment. This non-binding and exclusively based on our general conditions for supply**