



# SOLIDCUTTER EXPERT TRAINING



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

IN THIS TRAINING YOU WILL LEARN EVERYTHING ABOUT THE SOLIDCUTTER 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. She 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:** Laser specialists

**Training location:** Gaggenau

**Goals:**

- Learn handling, installation, interfaces, troubleshooting and maintenance
- Process error detection on head / motor control, interface between MC and robot
- Changing optical components

**Duration:** 2 days

**Number of participants:** Maximum 4

**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 technician

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

## SolidCutter Expert

### System structure

- Laser basics, overview of cutting heads
- Basics of the cutting process
- Product description SolidCutter
- Components
- System overview & variants
- Motor control

### Connections

- electrical, mechanical, media connections
- Fieldbus interface
- Hand control device

### Software settings, menus and commands

- Basic functions
- Parameter settings
- Lasermatic® Z function
- Program descriptions
- Software interface handheld control unit

### Installation

- Connect the MCXXX control
- Distance sensors and control circuit
- Check communication, test PLC robot MC interface
- Monitored signals for crash sensor, TipTouch e.g.

### Dealing with optics

- Technical cleanliness of laser optics
- Inspection and cleaning

### Maintenance

- Focus position adjustment
- Change protective glass
- Z axis maintenance
- Handling and maintenance of the optics

### 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

### Troubleshooting

- Error messages
- Wiring and mechanical components

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50 YEARS OF EXPERIENCE.



## OUR TRAINING CENTERS DIRECTIONS AND HOTEL RECOMMENDATIONS

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