# Seminar series Laser Programming

**Robot Programming - Offline Laser Sensor**

**QR-TR-LS**

# CLOOS

Weld your way.

## Robot Programming – Offline Laser Sensor

This seminar is for system operators, robot programmers and users who have to edit, correct and maintain the robot programs. Learn everything about the use of an offline laser sensors in robot systems. Among others, you learn to name the basic components of the laser system, to identify the risks and protective measures of laser radiation and to create simple working programs via offline laser sensors.

## Content

- Get familiar with the application possibilities of the sensor system.
- Identify the risks and protective measures of laser radiation.
- Verify and correct the sensor calibration with TCP and TOV.
- Create simple working programs via offline laser sensors.
- Create and select templates for offline seam tracking.
- Use manual and menu-guided programming techniques.
- Use working programs with adaptive weld parameter selection.

## QR-TR-LS

**Seminar period**
5 days

**Seminar times**
Monday: 09:00 - 16:30
Tuesday to Thursday:
08:00 - 16:30
Friday: 08:00 – 12:00 a.m.

**Participants**
Small groups up to a maximum of 4 persons

## Target group

- Users who have to edit, correct and maintain the robot programs
- Robot programmers

## Conditions

- Completion of the course: QR-TR-P1 Programming Basic Course
- Completion of the course: QR-TR-P2 Advanced Course