



# ROBOT HANDLING TOOL - EXPERT

## ROBOTS

### DURATION

Five consecutive days of training  
(total of 34 hours)

### TARGET GROUP

- Programmers
- Maintenance staff

### PREREQUISITES

Required.

### PARTICIPANTS

6 Participants / Minimum 3

### CERTIFICATE

If you receive a favourable assessment at the end of the course, you will be issued with a certificate.

### LOCATION

FANUC Benelux BV  
Oude Baan 3F – Zone B- red 2800  
Mechelen  
BELGIUM  
Tel.: +32 15 78 88 71  
Email: [training@fanuc.be](mailto:training@fanuc.be)

### HOTEL

For nearby hotels, visit:  
<https://www.hotel-mechelen.be/>

### COURSE OBJECTIVES

Are you already familiar with robotics and do you have insufficient time to complete the BASIC and ADVANCED training? Then the EXPERT training is something for you. In this training you will learn more intensive TPE programming. By the end of the training, you will be able to adjust (variable) parameters and make a full backup and image yourself. In addition, PLC connectivity will be covered and you will learn how to use numerous software options.

The course includes presentations on theory, followed by practical hands-on experience with the robot to reinforce what you have learned. Each trainee will have the use of a FANUC robot throughout the training.

### COURSE CONTENT

- Industrial safety according to EN/ISO
- Set-up of TOOL and USER coordinates
- Setting payload with payload identification
- Creation and set-up (detail) of TPE (Teach Pendant) programs
  - Advanced move instructions
- Advanced instructions
- Creation of macros
- Creation of conditional programs
- Testing TPE programs in T1 and T2 mode
- PLC connectivity, launch of programs in automatic mode
  - Program-specific troubleshooting
- Palletising with position register
- Offset and tool offset instructions
- Arguments, background logic, multitasking
- Full data backup
- Standard software options

### SME PORTFOLIO

FANUC Academy is registered for the SME Portfolio subsidy. If your company fulfils the conditions, the Flemish Government will pay 20% or 30% of the net cost of the training course.

Registration number: DV.0217283

Further information: [www.kmo-portefeuille.be](http://www.kmo-portefeuille.be) or call FANUC Academy: +32 15 78 88 71.