

THE FACTORY AUTOMATION COMPANY

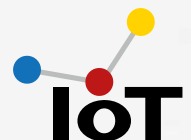
FANUC

IoT Ready **Educational Package**

Hands-on learning for the future
of automation



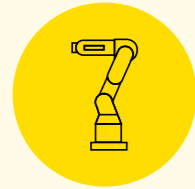
NEW: BLACK EDITION
OF THE FANUC
EDUCATIONAL CELL



ROBOTICS EXPERTISE FOR SCHOOLS AND UNIVERSITIES

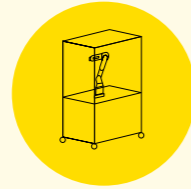
At FANUC, we are passionate about automation. Contributing massively to manufacturing efficiencies, FANUC's automated solutions drive productivity, enhance quality and minimise costs.

Given the exciting future facing the industry, we are also passionate about education. That's why we have put together the FANUC Educational Package, which contains all the core skills in a dedicated package. Designed with students in mind, it enables young people to gain first-hand experience of programming and operating cutting-edge industrial robots. Package content is highly relevant for modern factory applications and contains everything instructors require for teaching purposes.



ROBOT SPECIFICATIONS

- FANUC ER-4iA
- 6-axis mechanical unit
- Payload: 4kg
- Reach: 550mm
- R-30iB Mate Plus Controller
- iPendant with touch screen
- iRVision integrated vision
- 6 digital inputs / 2 digital outputs on robot arm
- 20 digital inputs / 20 digital outputs on controller
- 2 x Ethernet ports
- 2 x double air solenoids on robot arm (air supply not included)



EDUCATIONAL CELL

- Strong anodised aluminium frame available in silver and black
- Wheels for easy transport and feet for stability
- 10m power cable with standard 230V plug
- Easy access door with safety switch
- Electric gripper pre-mounted on robot
- Mounted and calibrated camera
- Nylon Solitaire board and parts
- Slotted Aluminium work surface for easy customisation



INDUSTRY 4.0/ IoT READY

- 2 x 10 Base-T or 100 Base-TX interfaces
- Ethernet software support as standard:
 - Robot Status, Program/ Variables / Diagnostics available over Web interface
 - iRVision and iPendant remote interface
- Optional additional interfaces, e.g. Profinet available



EDUCATION SOFTWARE BUNDLE

- Ready to run Solitaire application including iRVision and Dual Check Safety, with all source code
- Full operating setup, and calibration instructions for robot, iRVision and DCS
- Full set of additional exercises in 'open source' format



INSTRUCTOR TRAINING

- Everything instructors need to know in order to teach students how to operate a robot



PC SIMULATION SOFTWARE FOR STUDENTS

- ROBOGUIDE academic version simulation software
- 20 licences or 5 licenses plus 1 license server

FANUC 
EDUCATIONAL PACKAGE



Proud partner of Worldskills

Since 1956, FANUC has pioneered the development of numerically controlled machines in the automation industry. The current installed base of FANUC robots is 680 000 worldwide. FANUC proudly joined WorldSkills as Global Partner in 2018. Through this partnership, FANUC wishes to contribute to preparing young people from all over the world for the robotics industry.

Worldwide the installed base of robots has increased dramatically during the last 10 years. At FANUC we are very eager to promote the training of the young generation to prepare them for these new robot professions. We understand that supporting this training is also part of our contribution towards worldwide production development.

FANUC


worldskills
Global Industry Partner

One common servo and control platform – Infinite opportunities **THAT'S FANUC!**



FA

CNCs,
Servo Motors
and Lasers

ROBOTS

Industrial Robots,
Accessories
and Software

ROBOCUT

CNC Wire-Cut
Electric Discharge
Machines

ROBODRILL

Compact
CNC Machining
Centres

ROBOSHOT

Electric CNC
Injection Moulding
Machines

ROBONANO

Ultra Precision
Machine