

THE FACTORY AUTOMATION COMPANY

FANUC

IoT Ready **Educational Package**

Hands-on learning for the future
of automation



NEW EDITION
BASED ON COLLABORATIVE
ROBOT TECHNOLOGY



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.

With demand for collaborative robot solutions continuing to rise, we are taking this exciting technology to the education market. 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

- 6-axis Collaborative Robot
- FANUC CRX-10iA
 - Reach: 10 kg
 - Payload: 1249 mm
- FANUC CRX-5iA
 - Reach: 5 kg
 - Payload: 944 mm
- R-30iB Mini Plus Controller
- Tablet Teach Pendant
- Connectors on J6 for camera and configurable I/O



EDUCATIONAL CELL

- Strong aluminium white powder coated frame
- Wheels for easy transport and feet for stability
- 2 m power cable with standard 230 V plug
- Slotted aluminium work surface for easy customisation
- Available options:
 - Safety scanner
 - Electric gripper pre-mounted on robot, (other gripper options available)
 - Nylon solitaire board and parts



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 (depending on included options)
- Full operating setup and calibration instructions for robot, iRVision and DCS



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 900 000 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

IoT

Industry 4.0
solutions