

Learn with ABB SMART Education Package

ABB's SMART package for education provides valuable opportunities for both students and teachers.



Introduction

ABB is now offering the exclusive SMART (Software, Maintenance and Robotics Training) package to qualifying schools. ABB's robotic package for education is available for purchase exclusively to High Schools, Universities, Community Colleges, Technical Colleges, Vocational Schools, and Adult Education Centers.

Benefits

Key benefits of this program are:

- Students will learn robotic cell hazards, health and safety and maintenance requirements.
- Students will utilize the same robots and software that are used in industry, including the offline programming software RobotStudio.
- Using hands on training, students will learn to utilize the latest automation technology while applying Science, Technology, Engineering, and Math.
- Schools can use the new package to integrate robot training into their programs and initiatives, including STEM initiatives.

Education Program Details

With ABB's robotic packages for education, schools, colleges and universities receive instant access to the latest in automation software and robotic technologies, including:

- ABB's IRB 120 robot on self contained mobile cart
- IRC5 compact controller
- 50 licenses for RobotStudio
- Exclusive training and certification of instructors of educational institutions to train their students to program ABB robots
- Curriculum for programming and offline programming
- Additional options available

Certification Program Details

Instructors at schools are certified to teach courses after they have completed the required steps for certification. Our ABB Robotics instructors are able to certify teachers and professors to teach classes even if they start the process with little or no robotic experience. They will learn robotics from the ground up through the completion of our customized training course and hands on training. After the instructors have completed the training, they are required to pass a certification exam, and will be provided with course outlines and materials. The certification timeline can be flexible based on the instructor's schedule.

IRB 120

Specification			
Variants	Reach	Payload	Armload
IRB 120-3/0.6	580 mm	3 kg (4kg)*	0.3 kg

Physical	
Dimension robot base	180 x 180 mm
Dimension robot height	700 mm
Weight	25 kg

Electrical Connections	
Supply voltage:	Single phase 220/230 V, 50-60 Hz

IRC5 Compact Controller

Physical	
Size H x W x D	258 x 450 x 580 mm
Weight	27.5 kg

Electrical Connections	
Supply voltage:	1 phase 220/230 V, 50-60 Hz

RobotStudio 5.15

RobotStudio provides the tools to increase the profitability of your robot system by letting you perform tasks such as training, programming, and optimization without disturbing production.

Top 10 benefits of using RobotStudio

1. Risk reduction: Robot reach, path, and cycle time is assured.
2. Quicker start-up: Logic and motion are already developed.
3. Shorter change-over: New parts easy to add by importing the CAD data.
4. Increased productivity: Reduces weeks of potential programming down to days.
5. New usability features added each year.
6. Integrated RAPID Editor: Chromacoding & syntax checking intellisense for less debugging.
7. Available in 64 bit edition.
8. Intuitive design: Provides a comfortable programming environment.
9. Signal analyzer: Allows easy viewing of timing and handshaking and easy debugging including joint limits, power consumption, and more.
10. Robot position monitor: Allows viewing of actual robot position on screen for more intuitive program design.



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