

# Educational Open Robot Cell

**Model Number: EDU OP RBTCELL RV2**

Introducing the Mitsubishi Electric Educational Robot Cell. This robot cell is ideal for high schools, technical colleges and vocational institutions offering advanced industrial automation curriculums. Flexible in design and configuration, the RV2 robot cell can be customized for added functionality. Options for safety, gripping, additional I/O and integration into a CNC machine can be added to tailor the simulator to your needs.

## PURPOSE

Featuring Mitsubishi Electric's RV2 industrial robot, this cost-effective cell provides quick and easy setup, high performance and accuracy, safety-first functionality, advanced learning, and maximum portability. Applications such as pick and place, material handling, labeling, packaging, palletizing and testing can be replicated in a classroom or lab environment. Students can also learn the one-step process of integrating the robot cell to a CNC machine using Mitsubishi Electric's Direct Robot Control function; all done with the addition of Mitsubishi Electric's EDU M80 CNC SIM and one Ethernet cable. This simulator is ideal for students wanting an introduction to robotic applications commonly found in industrial automation.



### Standard Options

- EDU R32TB Basic teach pendant with 7 meter cable
- Aluminum portable stand with lockable casters
- Area safety scanner
- Emergency stop
- Tower light
- RT Toolbox 3 software

### Additional Options

- EDU R56TB enhanced teach pendant with 7 meter cable
- EDU TEACH BRACKET (Machined bracket for teach pendant)
- EDU ONRBT-RG2 gripper kit
- EDU-MEAGRP-RG2 gripper kit
- EDU M80 SIM (Direct Robot Control for integration into a CNC machine)

### SPECIFICATIONS

<b>Payload Capacity</b>	3 kg
<b>Maximum Reach</b>	649 mm
<b>Axes</b>	6 (J1-J6)
<b>Maximum Speed</b>	9027 mm/sec
<b>Position Repeatability</b>	0.02 mm
<b>Controller Type</b>	CR750 or CR800
<b>Software</b>	RT Toolbox 3

Learn more about Mitsubishi Electric's Diamondworks! Workforce Development Program at: [Diamondworks](#)

View the complete offering of Mitsubishi Electric simulator solutions at: [Training Education Resources](#)

Contact us to learn more about Diamondworks! Workforce Development: [Diamondworks@meau.com](mailto:Diamondworks@meau.com)

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