

Educational Robot Cell

Model Number: EDU-CELL-RV2

Introducing the Educational Robot Cell featuring Mitsubishi Electric's RV-2 Series industrial robot. This robot cell is ideal for high schools, technical colleges, and universities offering basic to advanced industrial automation curriculum. Flexible in design and configuration, the RV-2 robot cell can be customized for added functionality. Options include safety, gripping, additional I/O and integration into a CNC machine or other industrial automation equipment for more advanced training. Coupled with Mitsubishi Electric's Basic Robot Programming course materials, this robot cell aligns with general learning standards for robotics and automation, provides hands-on experience with industrial robotics, and offers students the opportunity to earn industry-recognized credentials.

PURPOSE

Featuring the RV-2 Series robot, this cost-effective cell provides quick and easy setup, high performance and accuracy, safety-first functionality, advanced learning, and maximum portability. It is designed to allow for the simulation of real-world industrial applications in the classroom or lab environment such as pick & place, material handling, labeling, packaging, and palletizing. For those with no prior experience, integration is seamless by the accompaniment of our course materials, intuitive software, robust safety features, and portability. This simulator is a great tool for students wanting an introduction to robotic applications commonly found in industrial automation.

Standard Options

- Aluminum portable stand with lockable casters
- Area safety scanner
- Emergency stop
- Tower light
- Basic Robot Programming course materials
- RT ToolBox3 software

Additional Options

- EDU R86TB enhanced teach pendant with 7 meter cable
- EDU R32TB basic teach pendant with 7 meter cable
- EDU teach bracket (machined bracket for teach pendant)
- EDU-MEAGRP-RG2 gripper kit
- EDU M80 SIM (Direct robot control for integration into a CNC machine)



Specifications

Payload Capacity	2 kg
Maximum Reach	649 mm
Axes	6 (J1-J6)
Maximum Speed	9027 mm/sec
Position Repeatability	0.02 mm
Controller Type	CR750 or CR800
Software	RT ToolBox3

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

MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061
Ph 847.478.2100 • Fx 847.478.2253

us.MitsubishiElectric.com/fa/en

February, 2025 • ©2025, Mitsubishi Electric Automation, Inc.
Specifications subject to change without notice. • All rights reserved

T-VH-00122

