

Educational Robot Cell

Model Number: EDU-CELL-RV5

Introducing the Educational Robot Cell featuring Mitsubishi Electric's ASSISTA RV-5 Series collaborative robot. Designed to integrate easily and work side-by-side with humans, the ASSISTA RV-5 is a collaborative robot that is easily programmed using hand guidance or with an R86TB advanced teach pendant. The ASSISTA RV5 robot cell is ideal for high schools, technical colleges, and universities offering basic to advanced industrial automation curriculum. Coupled with Mitsubishi Electric Automation's Basic Robot Programming course materials, this robot cell aligns with general learning standards for robotics and automation, provides hands-on experience with industrial and collaborative robotics, and offers students the opportunity to earn industry-recognized credentials.

PURPOSE

The ASSISTA RV-5 is specifically designed for collaborative applications. Equipped with advanced safety features such as collision detection and force limiting, allowing this robot to work safely alongside humans performing tasks such as assembly, machine tending, and material handling in various industrial settings. With its intuitive programming interfaces, the ASSISTA RV-5 empowers students to quickly create, simulate and execute robotic tasks, accelerating the learning process and promoting experimentation. Its flexible design and configuration, make the ASSISTA RV-5 robot cell easily customized and integrable with other manufacturing systems, enhancing its overall functionality.

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)
- Schunk EDU EGP-C ASSISTA gripper

Specifications

Payload Capacity	5 kg
Maximum Reach	910 mm
Axes	6 (J1-J6)
Maximum Speed	1,000 mm/sec
Position Repeatability	± 0.03 mm
Controller Type	CR800-05VD
Software	RT ToolBox3



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

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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

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