

# Educational Robot Cell

**Model Number: EDU-CELL-RH3**

Introducing the Educational RH-CRH Robot Cell, featuring Mitsubishi Electric's latest generation RH-3CRH Series SCARA robot and CR800 controller. This robot cell is specifically designed for optimal performance, flexibility and functionality for high schools, technical colleges, and vocational institutions offering advanced industrial automation curriculum. 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 credential.

## PURPOSE

Mitsubishi Electric's RH-3CRH Series robot is engineered to support a wide range of applications, including but not limited to pick & place, product labeling, line tracking, and assembly, with tasks commonly found across various industries. Designed for the classroom or lab environment, it offers high-speed operation and superior performance at an affordable price point for educational institutions. Students trained with the RH-3CRH will gain hands-on experience programming using our intuitive RT ToolBox3 software, which creates programs for a variety of industrial applications. This simulator is ideal for students seeking an introduction to industrial automation robotics, equipping them with the skills needed to succeed in the industry they aim to pursue.

## 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)
- Schmalz end-of-arm vacuum generator



## Specifications

Payload Capacity	3 kg
Maximum Reach	400 mm
Axes	4
Maximum Speed	7200 mm/sec
Position Repeatability	± 0.01 mm
Controller Type	CR800-CHD
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](mailto:Diamondworks@meau.com)

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