YASKAWA

MotoSim® TOUCH

COMPLETE VIRTUAL INDUSTRIAL ROBOTIC SOLUTION FOR STUDENTS

KEY BENEFITS

Provides "real world" virtual robotics experience at a fraction of the cost of an industrial robot

Provides hands-on, STEM-aligned environment for robotic modeling and programming

Teaches industry-recognized career ready robotics skills

SYSTEM REQUIREMENTS

Recommended	Minimum
Windows® 7 (64 bit) OR Windows® 10 (64 bit)	Windows® 7 (32 bit)
Intel Core i5 CPU	Intel Core 2 Duo CPU
4-8 GB RAM	2 GB RAM
3D Pro graphics card	3D graphics card
4 GB of free hard drive space	

CONTROLLERS

| ☐	☐	☑
DX200	DX100	FS100

- PC-based offline programming environment and robotics simulation tool.

- Designed specifically for K-16 schools, training organizations and educational research institutions.

- Simulates a fully functional production environment.

- Setup in the classroom or robotics lab is quick and easy, with only four cables to plug in.

- Provides the ability for students to toggle between a virtual pendant and a hardware pendant.

- In either mode, students utilize MotoSim EG-VRC* for Education, a comprehensive offline programming and simulation software package.

- Virtual pendant and hardware pendant both utilize easy-to-use INFORM III programming language.

- Robot programs can be moved from the simulation environment to the classroom robot.

- Learn how to program and model industrial robots in a safe, virtual PC environment:
  - Enter and modify data to create a robot job
  - Perform collision detection, reach analysis and cycle time calculations
  - Perform testing and diagnostics
  - Download robot job to robot controller

- Learn how to program robots using a hardware pendant. Practicing with a pendant develops "muscle memory", allowing programming tasks to become second nature.

- Become proficient with a wide variety of robot functions, including:
  - Robot path
  - Speed
  - TCP (tool center point)
  - User frames
  - I/O monitors
  - Macro command
  - Relative job
  - Enhanced multiple robot control
  - Independent/coordinated motion
  - External axis control and coordination
  - User definable view

NOTE: MotoSim Touch is available only to the educational market at this time.
* MotoSim Enhanced Graphics - Virtual Robot Controller
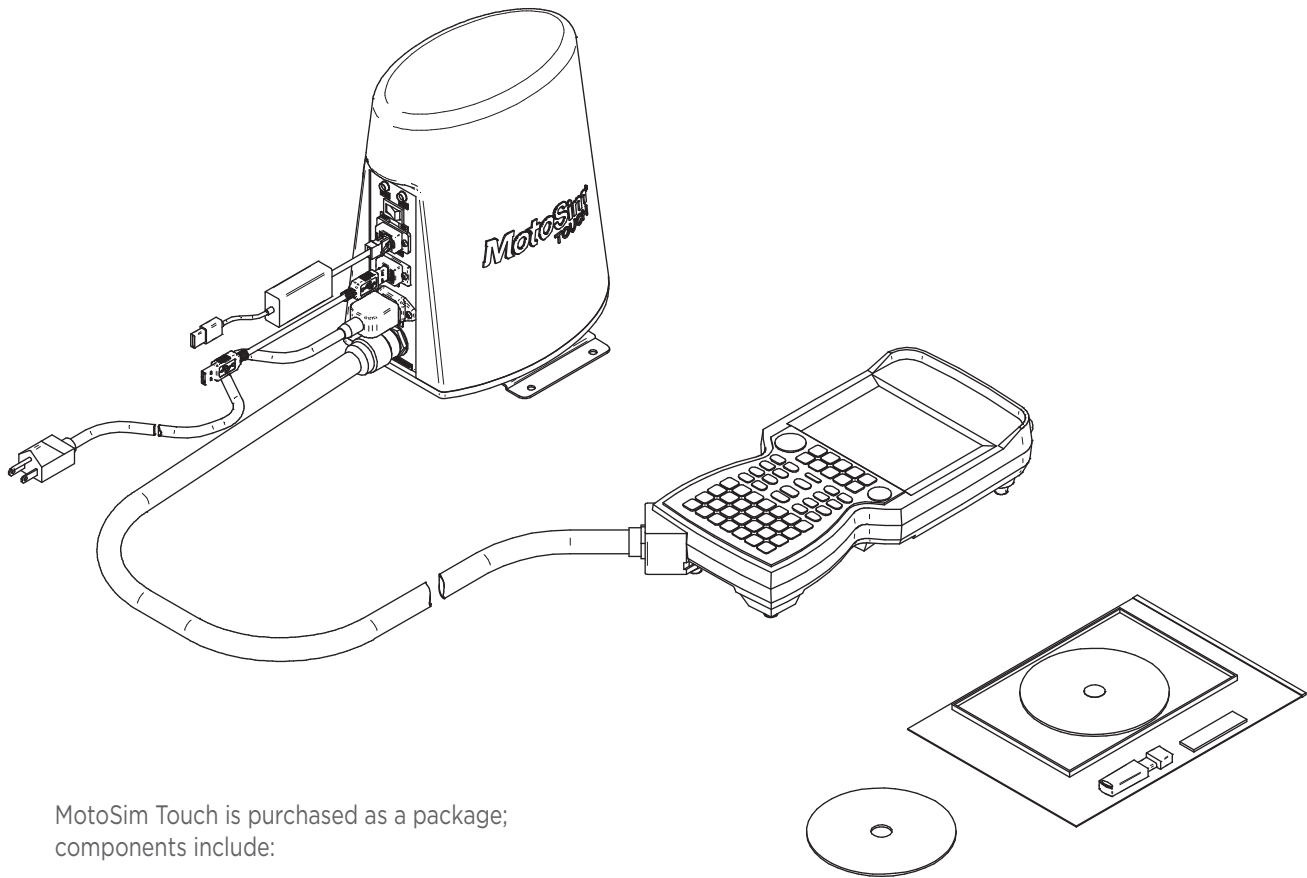
MotoSim Touch is purchased as a package; components include:

• MotoSim Touch (10 ¼" tall, 6 ¼" wide, 8 ¾" long)

• Programming pendant with 6-ft cable

• MotoSim EG-VRC for Education software

• USB to EtherNet adapter and power, network and USB interface cables

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