

**Product Name :**  
Astra Scientific Robotics Learning Trainer

**Product Code :**  
RoboticsLab0005



**Description :**

Astra Scientific Robotics Learning Trainer

**Technical Specification :**

This learning system includes 5-axis articulated servo robot arm with a 360 degree work envelope, mobile workstation, industrial controller, and state-of-the-art teach pendant which are used to practice over 140 executable commands using the powerful MCL II language.

A powerful, 5-axis Pegasus II articulated servo robot arm with a gripper. This robot features a double-jointed arm that enables it to work on both sides of its work cell and has a 360-degree work envelope, which increases work cell efficiency. The robot also has industrial quality repeatability (0.18mm) due to worm screw drives, high-resolution encoders, infrared homing sensors, and multiple microprocessors. This repeatability supports training of more precise industrial tasks such as assembly.

**FEATURES:**

- Teaches articulated arm servo robotics and how its applied in industrial tasks
- Includes 5-axis articulated servo robot arm

- Features a state-of-the-art teach pendant
- Provides various programming opportunities

#### SPECIFICATION:

A heavy-duty, mobile robotics workstation capable of supporting industrial quality robots, feeders, fixtures and other accessories. The workstation is constructed of heavy-duty welded tube steel and a perforated steel top. The perforated work surface enables fixtures and tooling to be quickly attached and removed, allowing multiple groups to share the use of the robotic workstation.

A state-of-the-art device that features two-line display, an emergency stop button, jog capability, and four soft keys which allows the robot to take on a variety of functions according to the menu shown on the teach pendant display. This unit becomes a handheld programming terminal, enabling users to enter and edit teach points.

A sample copy of the Robotics 1 Student Reference Guide is also included with the system for your evaluation. Sourced from the system's multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfect-bound book.



## Astra Scientific

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