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Product Name :
Servo Robotic Assembly Station

Product Code :
LBNY-0005-12600045



Description :

This station performs the role of assembling a working industrial directional control valve using a combination of servo robotic and pick and place technologies. The Servo Robotic Assembly Station trains students for pick and place assembly, and teaches interfacing, problem solving, programming, sequencing and operation for servo robotics, gravity feeders, pneumatic screw feeders, and part insertion. Servo Robotic Assembly Station, 5 of the 870 Mechatronics Learning System. The Servo Robotic Assembly Station is a small mechatronics system in itself with multiple, integrated technologies that can be used stand-alone or in combination with other stations. The Servo Robotic Assembly Station has two mobile training workstations with slotted work surfaces that contain an operator station, Pegasus II servo robot with teach pendant, spring/knob feed module, screw/knob engagement module, spool insertion module, screw feed module, parts presentation module, finished parts storage module, parts set, assembly shuttle module, a pneumatic distribution module as well as an electrical distribution module, an electro-pneumatic valve manifold, and a digital I/O interface module. Industrial safety and operation are emphasized on all mechatronic stations.

Features:

- Pick and Place Assembly
- Servo Robotics
- Pneumatic Screw Feeders
- Gravity Feeders
- Part Insertion.

Technical Specification :

Servo Robotic Assembly Station



Laboratory Instrument India