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**Product Name :**  
Motion Control Learning System

**Product Code :**  
LBNY-0005-1240008



### **Description :**

Motion Control Learning System teaches the skills required to understand and maintain the sophisticated industrial applications so commonly found in modern industry. The motion control action may be as simple as opening and closing a valve or as complex as controlling multiple axes on a CNC machine. Motion Control Learning System is used where conventional motor control, using discrete inputs and outputs, cannot achieve the accuracy needed to produce a product. A good example of motion control is an offset printing press that uses four motors to print four separate colors on a page and another motor to turn the feed roll. A motion controller sends acceleration and velocity commands to each motor to control its speed, torque, and rotor position. At the same time the motion controller monitors these parameters and adjusts the output as needed to create a legible color image on the page. Motion Control Learning System applies to a wide range of industries that need to meet market demands for greater system throughput and improved output quality and precision. Some of these industries include automotive, energy, medical, petroleum, printing, and packaging. Motion control training for multiple axes is necessary. The Motion Control Learning System provides instruction in motion control for a multiple axis system, including set-up, operation, programming, and multi-axis synchronization and control. Motion Control Learning System includes a tabletop workstation, multiple single axis drives, and motion controller with control programming software, tensioning kit, synchronization kit, registration kit, timing kit, communication cables, lockout/tagout kit, student curriculum, and instructor's assessment guide. Motion Control Learning System is self-contained and teaches students to control both single and multiple axes. It allows students to learn industry-relevant skills including how to create, navigate, configure, operate, maintain, and apply industrial motion control systems.

### **Features:**

Students Learn Skills In Motion Control Programming  
Reliable, Industry Standard Components and Features

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Teaches Applications of Motion Control In Industry  
Optional Online eBooks.

**Technical Specification :**

Motion Control Learning System



**Laboratory Instrument India**