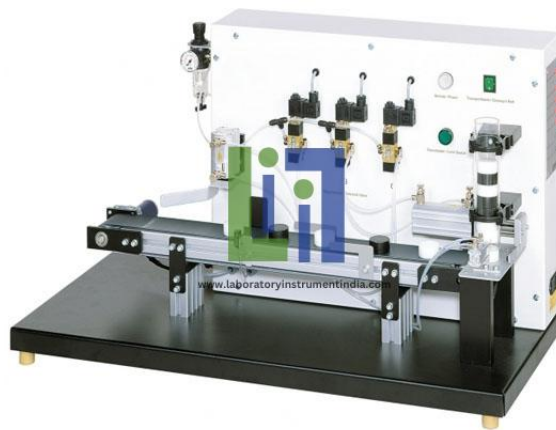




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**Product Name :**  
PLC Application Materials Handling Process

**Product Code :**  
LBNY-0005-10900012



#### **Description :**

PLC Application is a compact teaching and practice unit for the control of a materials handling process using a PLC. Two processes can be simulated: a punching process, or workpiece control in the form of a sort operation. The working cylinder can switch between sorting and punching modes by a simple sequence of actions. All components are in a clearly laid out design. Black and white cylindrical workpieces are fed from a container onto a conveyor belt. On the belt is a reflex photoelectric proximity switch which differentiates between light and dark and feeds the white items to the pre-selected process (punching or sorting). The unit is designed for operation in conjunction with a PLC module. Use of PLC module is recommended. The well-structured instructional material sets out the fundamentals and provides a step-by-step guide through the experiments.

#### **Technical Specification :**

Specification of PLC Application: Materials Handling Process  
Compact unit for experiments in the field of automation  
Conveyor belt with guide plates and DC motor  
Cylindrical Plexiglas storage container holding 11 workpieces  
Handling device with solenoid valves  
Double-acting cylinder (40mm stroke): executes the process (sorting or punching)  
Double-acting cylinder (80mm stroke): pushes workpiece onto conveyor belt  
Double-acting cylinder (15mm stroke): fixing / discharge of workpieces to container.

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