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**Product Name :**  
Orientation Processing Station

**Product Code :**  
LBNY-005-1260041



#### **Description :**

The Orientation-Processing station teaches interfacing, problem solving, programming, sequencing and operation for index tables, stepper motors, homing sensors, fiber optic sensors, part transfer, parts orientation, and capacitor sensors. The Orientation Processing 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 Orientation Processing Station is a mobile workstation with slotted work surface that contains an operator station, 8-station rotary index table, pick and place pneumatic robot, fiber optic gauging module, part transfer module, finished parts storage module, parts set, a pneumatic distribution module as well as an electrical distribution module, an electro-pneumatic valve manifold, and a digital I/O interface module. This station performs the role of parts orientation and an optional simulated machine operation in the process of assembling a working industrial directional control valve. Industrial safety and operation are emphasized on all mechatronic stations.

#### **Features:**

- Inductive Sensors
- Capacitive Sensors
- Homing Sensors
- Stepper Motors
- Part Transfer
- Parts Orientation
- Index Tables.

#### **Technical Specification :**

Orientation Processing Station



**Laboratory Instrument India**