

**Our Other Special Products**

X - Y Table Trainer



Battery Testing Trainer

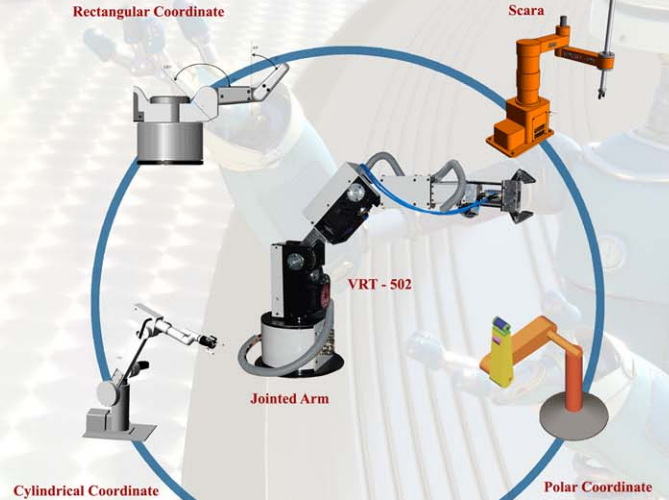


PLC With Servo Drive System



1. **PLC Laboratory Trainer.**
  - Siemens, GE FANUC, Allen bradly make PLC's with various I/O's.
2. **Thermal Engineering Laboratory Trainer**
  - IC Engines Lab & Fuel lab Trainers
  - Refrigeration & Air Conditioner Trainers
  - Heat Transfer Lab Trainer
3. **Robotic Trainers**
  - Servo Motor & Stepper Motor Based Robotic Trainers
  - SCARA, Jointed ARM, Cartesian co-ordinate polar type Robotic trainers
4. **PLC Application Trainers**
  - 8 type of Real Time Application Module
  - DC Motor Speed Control Module
  - Traffic Light Control Module
  - Bottle Filling Module
  - Batch Process Reactor Control Module
  - Level Control Module
  - Material Handling Module
  - Pneumatic Handling Module
  - Pneumatic Battery Testing Module
  - AC Motor Speed Control module
  - Temperature Controller Module
  - Linear Actuated Hydraulic Module
  - Relay Testing Module
  - Direct - on - Lines Starter Module
  - STAR - Delta Star Module
  - Car Parking Monitor Module
  - Lift Control Module
5. **Mechatronics Applications Trainer**
  - Weighting & Palletizing System
  - Vision Inspection based identification and sorting
  - Automatic Drilling & Boring System
6. **Motion Control Trainers**
  - X-Y Position Trainers
  - Rotary Position Trainers
  - 6 - Axis General Purpose Motion Controller Trainers
  - 3D - CRANE Control Trainers.
7. **Fluid Mechanics and Machinery Lab Trainers**
8. **Electrical Engineering Laboratory Trainers**
9. **Electronics and Micro Processors Lab Trainers**
10. **Dynamics Laboratory Trainers**
11. **Metrology & Measurement Lab Trainers.**

**ROBOTICS TRAINER**



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 Mail : sales@vimicrosystems.com, Web : www.vimicrosystems.com



**Specification**

- Arm Configuration - Jointed Arm
- Total Axis - Six Axis
- Drive - Stepper motor Drive
- Controller - Micro Controller
- Gripper - Pneumatics
- Application - Pick and Place
- Pay Load - 2 Kg

**Robotic Trainer Controller**

- \* Philips P89C51 Micro controller
- \* On chip 64k bytes of flash EEPROM for program memory
- \* On chip 1k byte RAM for Temporary program storage
- \* On board LED provided to visualize power on, transmit data&receive data
- \* One RS232&RS485 serial port terminated at 9 pin D connector
- \* In-System flexible programming by Win ISP software
- \* Serial interface cable to link with PC

**Robotic Trainer Software**

Robotic Trainer Software is used to study the Robot characteristics of arm Movement and object pick and place assignment of robot manipulator. It controls the Robot arm movement and measure motor axis and arm axis. 'C' & 'Visual Basic' languages are used to write this software.



**Six Axis**

- Base
- Intermediate Arm
- Vertical Arm
- Rotation Arm
- Sliding Arm
- Pneumatic Gripper

**Base**

- Angle Movement : 0-300 Degree
- Motor : 9kg-cm
- Total Size : Diameter 275mm
- Height 200mm



**Intermediate Arm**

- Angle Movement : 0-90 Degree
- Motor : 44kg-cm
- Total Size : Height 210
- Length 137
- Width 120



**Vertical ARM**

- Angle Movement : 0-90 Degree
- Motor : 66kg-cm
- Total Size : Height 235
- Length 137
- Width 120



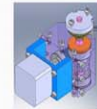
**Rotation Arm**

- Angle Movement : 0-300 Degree
- Motor : 2.6kg-cm
- Total Size : Height 151
- Length 100
- Width 88



**Sliding Arm**

- Angle Movement : 0-90 Degree
- Motor : 2.6kg-cm
- Total Size : Height 141
- Length 75
- Width 52



**Pneumatic Gripper**

- Movement : 0-75mm
- Cylinder : 25mm Stoke length
- Total Size : Height 222
- Length 68
- Width 28

