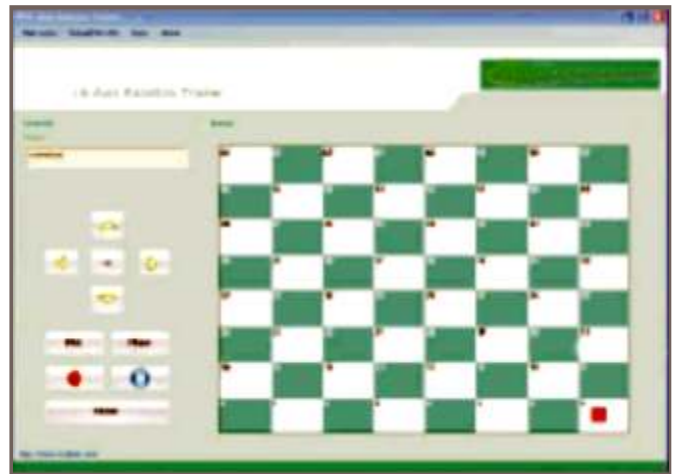


**6-Axis Robotics Trainer** is versatile training equipment, not only for Mechatronics students but also for all robotics enthusiasts to understand the very basic concept of robotics i.e. study of axis motions. To make it simple we have provided a programmable robotic arm with an interactive front panel. Accompanied software demonstrates complete functioning of trainer as well as allows user to develop their own programs.

- ◆ Study of Stepper motor and Servo motor
- ◆ Study of Sensors
- ◆ Each axis can be controlled individually
- ◆ Ideal to understand basics of CNC machine
- ◆ Can be operated from 8 bit microcontroller to ARM processors
- ◆ Can be controlled from computer
- ◆ Programmable tasks
- ◆ Record and Play capability
- ◆ Optional interfacing with PLC
- ◆ Ample work area
- ◆ Touch operated ON/OFF switch
- ◆ Auto set to home position
- ◆ User can develop own applications
- ◆ Self-contained and easy to operate
- ◆ Data acquisition using USB
- ◆ Graphical representation
- ◆ User friendly software
- ◆ Exhaustive course material & references

**Technical Specifications**

- Work Area** : 400 × 400 mm
- Gripper AOF** : 180°
- Gripper Payload** : 250 g
- Number of Stepper Motors** : 3
- Number of Servo Motors** : 4
- Number of IR Switches** : 2
- Stepper Motor Specifications**
  - Type : 6 wire, Unipolar
  - Step Angle : 1.8°
  - Holding Torque : 4.1 Kg cm
  - Operating Voltage : 5 Volts
- Servo Motor Specifications**
  - Control System : PWM 1520µsec Neutral
  - Stall Torque : 3.2 Kg cm
  - Operating Voltage : 5 Volts
- Sensor** : IR as Limit Switch
- Drive type**
  - X & Y Axis : Belt Driven – 2 Axis
  - Z Axis : Servo Motor Driven – 4 Axis
- Dimensions (mm)** : 610 × 500 × 490
- Weight** : 7 Kg (approximately)
- Power Supply** : 230 V ±10%, 50 Hz (others on request)



Software Window



Note: Specifications are subject to change.

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