



Description

49502A new 6 axis industrial robotic arm trainer is specially designed for educational institutions and training centers to modernize their labs This machine closely resembles an industrial robotic arm and its control mechanism It's a great learning tool for both electronics and mechanical engineering students as well as industrial trainee engineers It comes with most advance control equipment governed by 8 bit RISC microcontroller It can also be interfaced by external microcontroller ranging from 8 bits to 32 bit ARM controller as well as PLC It also follows users instruction from PC running a very simple to use software through USB port

Features

- Axis are fitted with DC servo motors, stepper motors and 10 bit optical encoder for higher precision
- Full machine control by computer software in online mode
- Easy instruction programming editor for Programmable tasks
- Optional interfacing with PLC
- User can develop own applications MATLAB, LABVIEW, Flowstone

Technical Specifications

| | | |
|----------------------|---|------------------------|
| No. of Axes | : | 6 |
| Link 1 | : | 298 mm |
| Link 2 | : | 385 mm |
| Vertical Height | : | 548 mm |
| Joint Actuator | : | Servo Motors / stepper |
| Payload | : | 1 Kg |
| Axis 1 (Waist) | : | 290 Deg |
| Axis 2 (Shoulder) | : | 40 Deg |
| Axis 3 (Elbow) | : | 60 Deg |
| Axis 4 (Roll) | : | 284 Deg |
| Axis 5 (Pitch) | : | 180 Deg |
| Axis 6 (Roll) | : | 350 Deg |
| Controller | : | |
| Embedded | : | PID Controller |
| Path Type | : | Point to Point |
| Encoder Output | : | 10 Bit incremental |
| Repeatability | : | +/- 2mm |
| Weight (Approx) | : | 35Kgs |
| Field of Application | : | Pick |
| And Place | : | Yes |
| Palletizing | : | Yes |
| Machine Loading | : | Yes |
| Assembly | : | Yes |
| Software | : | |
| Step Programmer | : | |

Note: Specifications are subject to change.

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