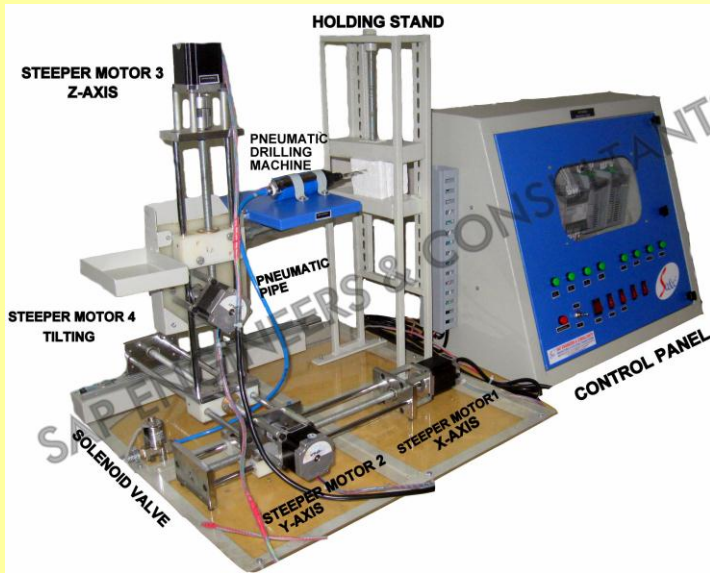


## SAP E&C PLC BASED UNIVERSAL TABLE (SAP-81)



The Universal Table trainer gives provision to interface PLC with four axis displacement of the table.



### SYSTEM SPECIFICATIONS:-

- 1) Stepper motor driven mechanism.
- 2) Bidirectional stepper motors (4 no.s):  
Torque: 20Kg/cm<sup>2</sup> & 10Kg/cm<sup>2</sup>, Shaft length: 20.6mm, Shaft dia.: 6.35mm.
- 3) Bipolar Stepper driver card:  
Supply voltage: 24VDC,  
Angular rotation: 1.8°/0.9°.
- 4) PLC:- Allen Bradely Micrologix-1200 762124BXB. DI:-14, DO:-10, PC-PLC cable, RS Logix-500 ladder prog. Software.
- 5) Lead/Ballscrew linear guideways mechanical mechanism for X-Y, UP-DOWN, TILT movement Of a table.

### Features:

- ❖ Controlled by PLC
- ❖ Table can be moved in Horizontal, Vertical Direction and can also be tilted.
- ❖ Table travel: X-200, Y-200, Z-150 $\Theta$  -45° to +45°.
- ❖ Load carrying capacity-10Kg, with ball lead screw, Minidrill-dia.8mm, Drill-Vice.

### Range Of Experiments:

To move MS table in Horizontal, Vertical direction and also Tilt with the help of PLC ladder program & Stepper motor driven mechanism.

### Equipment required:

PLC Micrologix 1200 with PWM output.

**Services Required:** Single Phase 230 VAC 50 HZ Supply

### Note:

All descriptive matter and illustrations are intended to give only a general idea of the equipment. Detailed specifications may be altered at the company's discretion without any notice.

Manufactured/Marketed By

**SAP ENGINEERS & CONSULTANTS**

Regd. Off. : Shop No. 26-27, 'Srushti', Survey No.82, Near Guru Ganesh Nagar, Eklavya College Road (D.P.Road), Kothrud, Pune - 411 038, India

Telephone : (020) 2538 4737

Mobile : +91 94220 88946, +91 9552475082

Fax : (020) 2538 3544

Email : [sales@sapengineers.com](mailto:sales@sapengineers.com)

Website : [www.sapengineers.com](http://www.sapengineers.com) / [www.sapengineers.co.in](http://www.sapengineers.co.in)

For More Details Visit Our Website At: [www.sapengineers.com](http://www.sapengineers.com), [www.sapengineers.co.in](http://www.sapengineers.co.in) E-mail:- [sales@sapengineers.com](mailto:sales@sapengineers.com)

SAP Engineers & Consultants, Kothrud, Pune-411 038, India. Ph-(020)25384737