

## SAP E&C PLC BASED X-Y POSITION CONTROL SYSTEM (PCST-45)



The X-Y position control system module gives provision to interface PLC with two axis displacement and speed control.



### SYSTEM SPECIFICATION :

- ❖ Stepper motor electrical with actuator driven mechanism, with paper and pen arrangement.
- ❖ Horizontal platform: 200mm\*200mm
- ❖ Bidirectional stepper motor:  
torque-10 kg/cm<sup>2</sup>, shaft length : 20.6 mm  
Shaft dia : 6.35 mm.
- ❖ Bipolar stepper driver card:  
motor supply voltage-24 VDC, auto- manual, enable -disable & direction selection facility, angular rotation/pulse:1.8<sup>0</sup> / 0.9<sup>0</sup>
- ❖ PLC:- DI-14, DO-10(relay-5,FET-4, High speed-1), PC-PLC cable, LADDER programming software.

### Features:

- ❖ Controlled by PLC
- ❖ Active area min.200mm\*200mm
- ❖ Capable to draw shape such as straight line, inclined line, rectangle, square, pentagon, hexagon.

### Range Of Experiments:

To draw straight line, inclined line, Square, Rectangle, Triangle, Hexagon, Pentagon with the help of PLC ladder program & XY position control module.

**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 AND CONSULTANTS



**Regd. Off.** : Shop No. 26, 27 Srushti, S. No. 82/11+12++33+34,  
Eklavya Clg Rd (D. P. Road), Kothrud, Pune- 38

**Telephone** : (020) 25384737

**Mobile** : (+91) 9422088946, 9552475082

**Fax** : (020) 25383544

**Email** : [pravinsdeode@vsnl.net](mailto:pravinsdeode@vsnl.net)

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