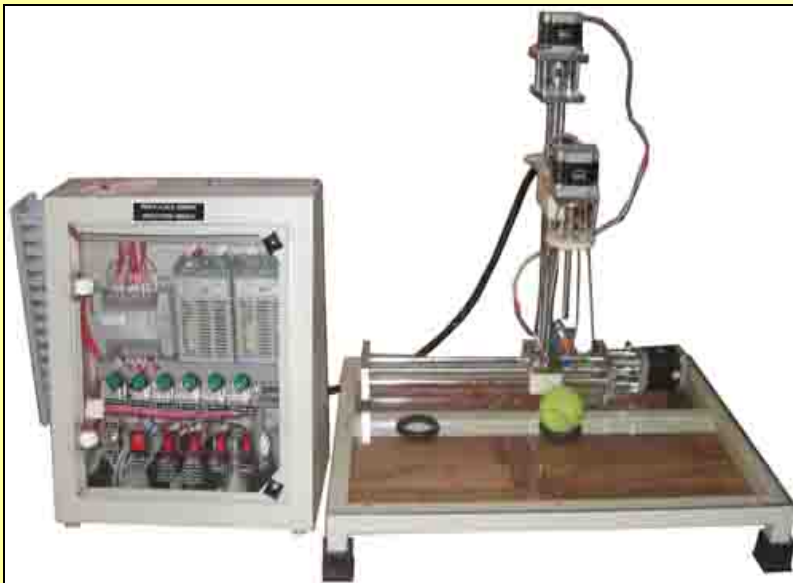


SAP E&C PLC BASED PICK & PLACE ROBOTIC APPLICATION MODULE (PLC BASED) (SAP-48)



The Pick & place robotic application trainer gives provision to interface PLC with two axis displacement and a robotic arm.



SYSTEM SPECIFICATIONS :-

- 1) Stepper motor electrical with actuator driven mechanism,
- 2) Bidirectional stepper motor:
torque-10 kg/cm², Shaft length: 20.6mm
Shaft dia. 6.35mm.
- 3) Bipolar Stepper driver card:
motor supply voltage- 24VDC, auto-manual,
enable-disable & direction selection facility,
angular rotation/ pulse : 1.8° / 0.9°
- 4) PLC :- Allen Bradely make PLC System
DI-14, DO-10, PC-PLC cable
Ladder Prog. software.
- 5) Lead/ Ballscrew linear guideways mechanical mechanism
for XY movement & Robotic Jaw with Open/ Close
facility

Features:

- ❖ Controlled by PLC
- ❖ Capable to pick and place an object from one position to another.
- ❖ Variable Jaw area to Pick objects of different shapes.
- ❖ Object Lift movement height Selectable.

Range Of Experiments:

To pick and place an object from one position to another with the help of PLC ladder program & XY position control module.

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 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

Website : www.sapengineers.com / www.sapengineers.co.in