



## DESCRIPTION

Workpieces of different characteristics in the station are separated by sensors according to the type and shape of the material. By using 3 axes with step motor control, it is ensured that the right cover is attached to the right workpiece. The transfer process takes place by vacuum.

Siemens S7 1200 1212C CPU was used on the training set. The number of inputs and outputs has been increased with expansion modules. Monitoring and control of the process are provided with the KTP 400 screen. Optionally, other sets can be added to the set to make it more functional.

Step motor controlled axes (3 pcs) are SMC branded (Japanese made), valve terminal is SMC Ex600 menstrual stepper All pneumatic elements are SMC (Japanese) branded. Automation elements are Siemens (German) brand.



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## Electric-Electronic Training Sets

# AXIS CONTROL TRAINING UNIT



## SET CONTENTS

- Table sizes: 900 (H) x 600 (W) x 1200 (L)
- Conditioner (filter and regulator)
- Single coil 3/2 ON/OFF valve
- Manual 3/2 ON/OFF valve
- Stepper motor (3 pcs.)
- Linear axis (2 pcs.)
- Linear pneumatic workpieces
- Magazine table
- Top-of-cylinder magnetic sensor (2 pcs.)
- Top-of-cylinder hopping (2 pcs.)
- Inductive + optical sensor (15 pcs.)
- Pressure sensor with 1-5V digital display
- Vacuum switch
- Vacuum generator
- Set of vacuum pads and vacuum elements
- EX 600 valve island
- Pneumatic directional control valve (2 pcs.)
- Profinet communication protocol
- Conveyor
- S7 1200 1212C CPU DC/DC/DC ·
- SM12-23DI 8 x 24VDC/DO 8 x 24VDC module
- KTP400 basic HMI
- Luminous button (2 pcs.)
- Twin button
- Emergency stop button
- Light tower
- Operator panel
- Slim relay Phoenix (8 pcs)
- Schneider contactor
- Single row railings (12 pcs)
- Double-deck rail terminal block
- Three-deck rail terminal block (16 pcs)
- Rail socket
- 16 pin connector
- Red main feeding hose
- Gray moving elements hose
- Yellow vacuum hose
- 25 workpieces (printed on)