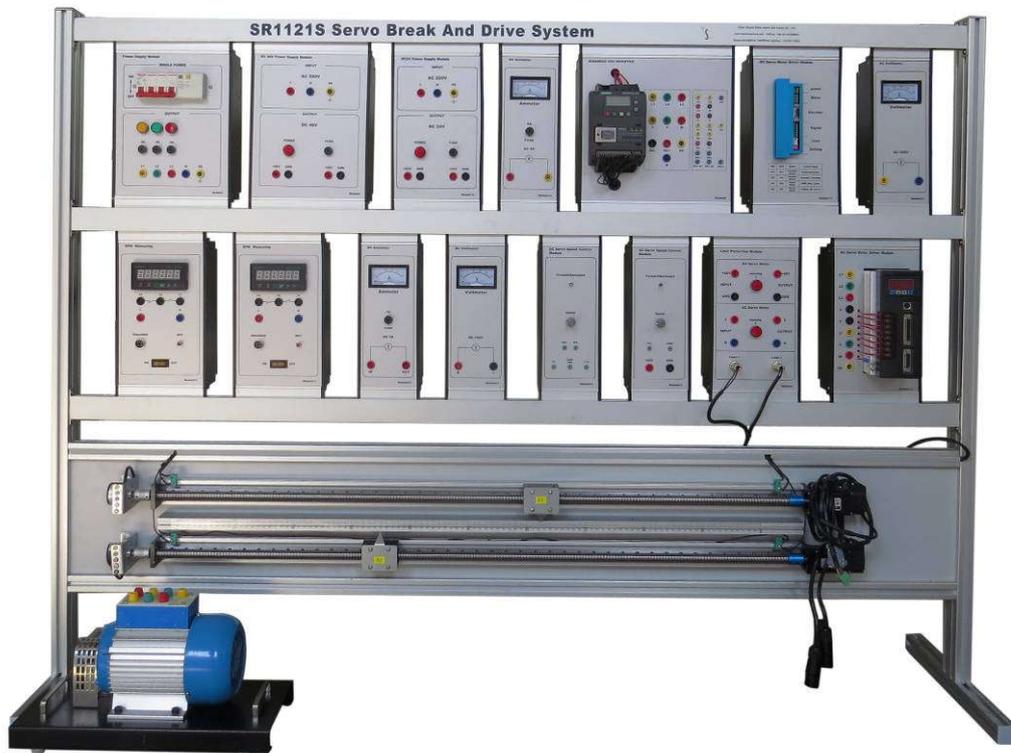




SR1121S Servo Break And Drive System



1 Product Overview

1.1 Profile

The training device includes DC servo drive, AC servo drive and Siemens Sinamics V20 inverter and encoder. Through experiments, students can familiarize themselves with the characteristics of servo brake and drive system, and master the control principle and control mode. To develop students' technical skills and knowledge suitable for higher vocational education. Higher vocational education, secondary vocational schools and technical schools related to the teaching and skills training assessment.

1.2 Feature



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(1) The training platform adopts aluminum profile column frame structure, each unit module is rail-mounted, the module is distinct, easy to use and not easy to damage.

(2) The equipment is complete, the modules are diverse, and can be used in combination to complete the training content of various courses.

(3) The training platform has a good safety protection system.

2 Technical capacity

(1) Input power: three phases five wires AC380V±10% 50Hz

(2) External dimension: 1800 mm×400 mm×1200 mm

(3) Weight: <100kg

(4) Work condition: environment temperature -10℃~+40℃ relative humidity <85% (25℃)

(5) Whole capacity:< 2.0 kva

3 Product consist of

3.1 Power control module



The power control unit adopts the embedded installation mode, and the 4P circuit breaker is used as the total power supply access switch of the training equipment, and it is equipped with corresponding power indicator lights and fuses.

3.2 DC 48V power module



- (1) Single-phase power input.
- (2) Configuration with power indicator, two groups of DC 48V safety power output terminals.
- (3) The power supply is equipped with a fuse to facilitate safety.

3.3 AC voltage meter



3.4 AC voltage meter



3.5DC voltage meter



3.6 DC current meter



3.7 Tachometer (2 sets)



3.8 Inverter



3.9 DC driver



3.10 AC Driver



3.11 Limit protect module



When the motor is over the range, the indicator lights up and the power supply to the driver is cut off.

3.12 DC servo speed control module



Speed knob: clockwise increase, counterclockwise decrease

3.13 AC servo speed control module



Speed knob: clockwise increase, counterclockwise decrease

3.14 DC 24V power module



Convert AC 220V power to DC 24V power

3.15 Encoder line





3.16 AC servo control line



3.17 AC servo motor encoder cable



3.18 AC servo motor power cord



3.19 DC servo Uart line



3.20 DC servo control signal line





3.21 DC servo motor power cord



3.22 Three-phase asynchronous motor



4 Experiment that can be finished

4.1 AC servo motor control