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# Test Stand for Force Gauge PCE-MTS500 INSTRUCTION MANUAL



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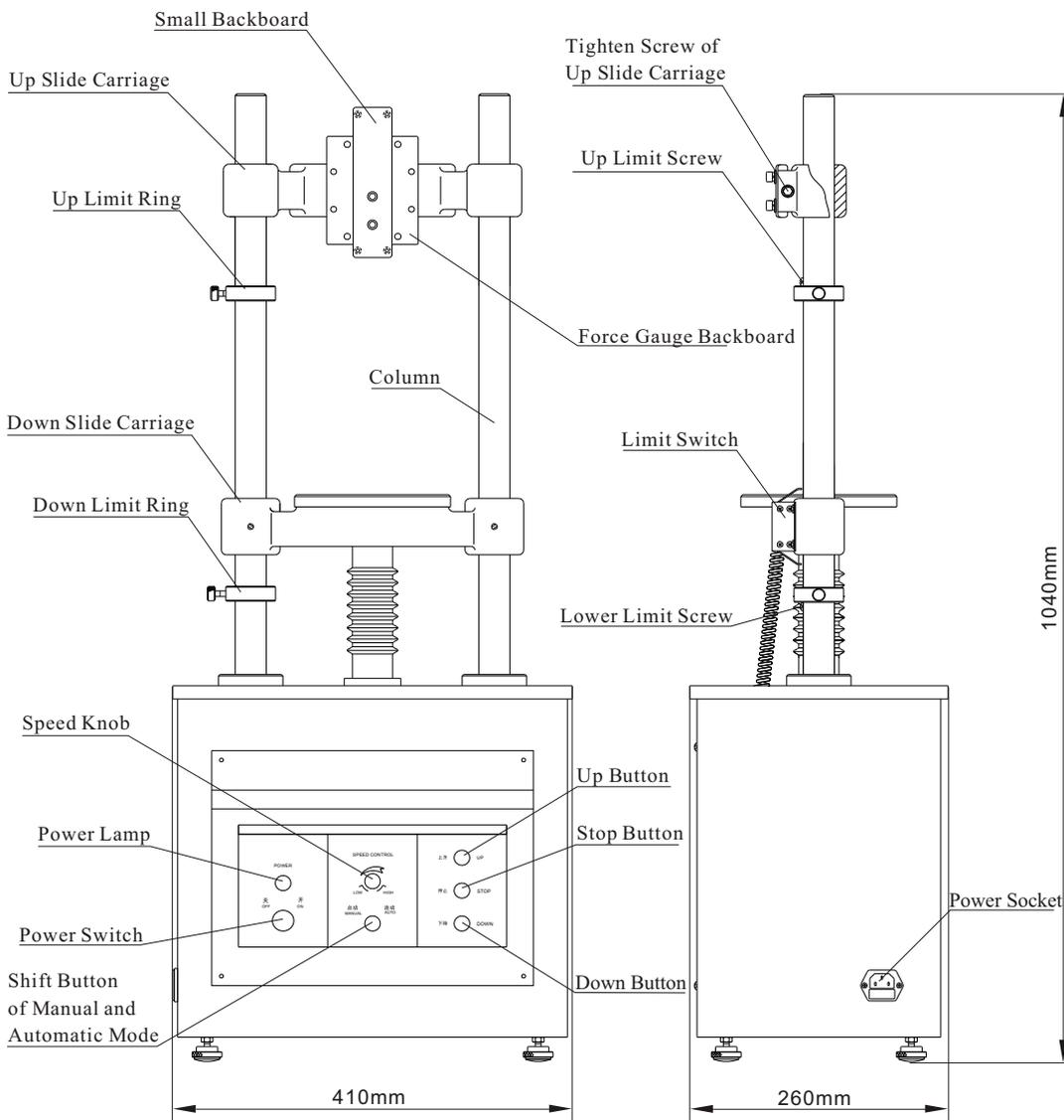
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# 1. Function

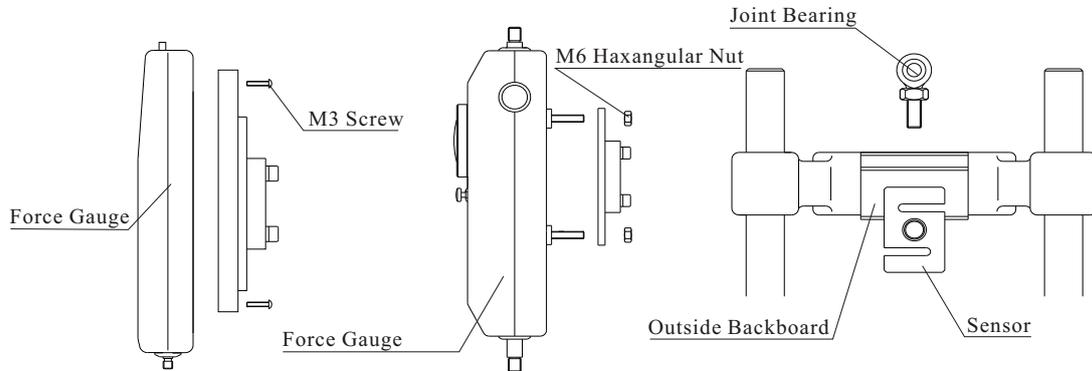
REG/O VU722 Electric Vertical Test Stand, applied in tension and compression test, is assembled with (2N-5kN) Series Force Gauge. The stand adopts double-column construction with good stability, wide application range and easy operation. Furthermore, it has advantages of non-polar speed adjustment, manual or automatic operation, suitable for fields of rubber & plastic products, textile, construction, complex material, wire & cables, auto accessories, engine and scientific research, etc.

Note: When installing different force gauge, it should equip different backboard.

# 2. Structure



### 3. Installation of Force Gauge



Picture 1 Installation of (Sensor Inside) Force Gauge

Picture 2 Installation of Force Gauge

Picture 3 Installation of Force Gauge (1kN-5kN)

1. When installing (Sensor Inside) Force Gauge, take out 4 pieces of M3 screws from toolbox, and through 4 deep hole of Small Backboard, tighten them into 4 installing hole on force gauge (Picture 1);
2. When installing Force Gauge, take off 4 pieces of M6 hexangular screws of back cover, and backboard. also take off Small Backboard on test stand; through 4 hole of Force Gauge backboard, tighten 4 pieces of M6 screws into installing hole of Force Gauge by nut (Picture 2);
3. When installing (1kN-5kN) Force Gauge, it should equip the SJ-021 Outside Backboard. Loosen the 4 pieces of M6 hexangular screws, take off the SKN Backboard, fix the SJ-021 Backboard on the position of Force Gauge Backboard by the 4 screws; Take one of the joint axletree from sensor toolbox, and tighten the sensor through hole of backboard as showing in picture (Picture 3).

### 4. Specification

Capacity	(
Measuring Stroke	
Measuring Speed	
Maximum Gap	
Work Voltage	
Rate Current	
Fuse of Main Circuit	
Fuse of Controlling Circuit	
Working Temperature	$\pm$ °C
Store & Delivery Temperature	°C °C
Relative Humidity	

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## 5.Attention

- A. Please do not take Up or Lower Limit Screw at any time to prevent screw mandrel from getting out or damaging to other accessories.
- B. When needing to move UP Slide Carriage for appropriate space, please pay attention:
  - 1. Loosen the tighten screw at two side of Up Slide Carriage, during which it should support the slide carriage by hands to avoid dropping down.
  - 2. The Up Slide Carriage will not upper than the top of column, and lower than Up Limit Screw.

## c. Operation

### Examine Before Operation

- A. Check Tighten Screw of Up Slide Carriage to be locked firmly;
- B. Turn on the power switch, then the power lamp will be light.
- C. Examine the stand whether there is abnormal sound when moving without load.

### Manual Test

Choose the Manual mode by pressing Shift Button of Manual and Automatic Mode; Press Up or Down button all along, the test stand will work; Loosen the button, the test stand will stop work and finish test.

### Automatic Test

Choose the Automatic mode by pressing Shift Button of Manual and Automatic Mode; Press Up or Down button once, the test stand will work; Press Stop button, the test stand will stop and finish test.

## 7.Maintenance

- A. Please keep the environment clean and prevent liquid and metal scraps from entering the engine box, otherwise electric shock may happen and driving components may be damaged.
- B. Please keep the column and lower slide carriage hole clean.
- C. Add some lubricant to screw mandrel and gear after period of time.
- D. Please pull out power connector, and make the stand away from dust and moisture if it is not used.

## 8.Packing List

Number	Parts Name	Quantity
1	REG/O VU722 Main Body	1
2	M10 Inner Hexagon Spanner	1
3		1
4	110/220V Power Wire	1
5	Manual	1
6	Qualification Certificate	1