



## **Manual Pouch Cell Stacking Machine AOT-MST-200**

### **Operation Manual**

**First of all, thank you for using our products. Please read the instruction manual carefully before using this equipment.**

**Model:** AOT-MST-200

**Introduction:** It is suitable for the lamination process of battery cells, the cathode and anode electrodes and the separator are Z-shaped lamination.

**Main Features:**

- \*Desktop type, can be placed on ordinary desktop;
- \* The adjustment, operation and maintenance of the machine are simple and easy;
- \*Applicable to a wide range of cell stack sizes;
- \*High working efficiency, with digital display counter;
- \*Use the foot switch to control the action of the cylinder;
- \* The machine is small in size, exquisite and beautiful in appearance

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## Operation procedure

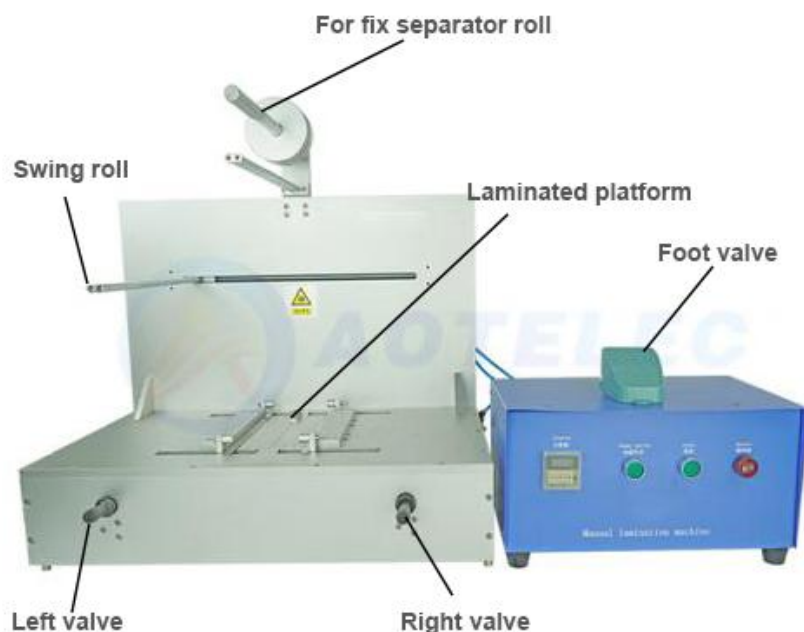


Figure 1

1. Install the battery separator and place it on the lamination table through the swing roller.
2. Set the number of laminations
3. Take the anode electrode sheet and place it on the stacking table to position the stack, press the foot valve, the swing roller moves so that the separator covers the anode electrode sheet.
4. Take the cathode electrode sheet and place it on the stacking table to position the stack, and then press the left and right manual valves, press down the electrode sheets and separator, press the foot valve, the swing roller moves so that the separator covers the cathode electrode sheet.
5. If the cycle reaches the set number of laminations, cut the separator, take out the cell, and paste the termination tape to complete.

## Technical Parameter

- \*Maximum loaded diaphragm roll:  $\phi 250\text{mm}$ ;
- \*Applicable pole piece specifications: length (0~200) mm, width (0~200) mm;
- \* Swing roller travel stroke: 400mm;
- \*Power supply: AC220V/50Hz (110V customized);
- \*Air pressure source: 0.5MPa~0.7MPa;
- \*Equipment size: L650mmW400mmH700mm;
- \*Control box size: L200mmW300mmH380mm
- \*Weight: 30Kg

## Maintenance methods and precautions

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1. Wipe the swing roller and stacking table frequently to keep it clean.
  2. Lubricate the moving parts of the bearing slide rail to keep the movement smooth.
  3. If not in use for a long time, wipe the surface of the machine clean, wrap it with packing tape and store it.
  4. Regularly check the screws, nuts, pins and other fasteners of each part of the machine to prevent loosening and prevent machine quality accidents and personal accidents.