WHAT IS CLAIMED IS:

1. A cabinet, comprising:

a cabinet body, wherein a bearing plate is provided below the cabinet body, and the bearing plate and the cabinet body are provided at an interval and are connected through a side plate;

a laminated structure, comprising:

a plate housing connected to the side plate through a connecting mechanism, wherein the plate housing is hollow, and the plate housing comprises an air inlet plate and an air outlet plate located on different side walls, the air inlet plate is provided with an air inlet, and the air outlet plate is provided with an air outlet; and

an air duct structure, provided within the plate housing and provided with a fan therein, the fan operable to flow air into the air duct structure via the air inlet and discharge the air through the air outlet;

wherein, the connecting mechanism is located at a first workstation, the plate housing is attached to the side plate; the connecting mechanism is located at a second workstation, the relative position relationship between the plate housing and the side plate changes.

2. The cabinet according to claim 1, wherein, the connecting mechanism comprises:

a fixed rod, provided on the side plate, wherein a sliding groove is provided on the fixed rod;

a first connecting rod, one end of which is connected to the fixed rod, and the other end is connected to the plate housing;

a second connecting rod, one end of which is located within the sliding groove and slides cooperatively with the sliding groove, and the other end is connected to the plate housing, and the second connecting rod is parallel to the first connecting rod; and

two third connecting rods arranged in parallel to each other, wherein one of the third connecting rods is provided on the plate housing, and one end of the first connecting rod and one end of the second connecting rod are rotatably connected to the plate housing

through the third connecting rod, and the two ends of the other third connecting rod are respectively
connected to the first connecting rod and the end of the second connecting rod that slides cooperatively with the sliding groove.

3. The cabinet according to claim 1, further comprising:

a filter assembly, provided at the air inlet, wherein the filter assembly is configured to filter the air entering the air duct structure.

4. The cabinet according to claim 3, wherein, the filter assembly comprises:

a support member, provided at the air inlet and connected to the edge of the air inlet; and

a filter material structure, provided at the inner side of the support member.

5. The cabinet according to claim 1, further comprising:

an electric control structure, provided in the plate housing, wherein the electric control structure is electrically connected to the fan, and configured to control the operation of the fan.

6. The cabinet according to claim 5, wherein, the electric control structure comprises:

a circuit board, provided in the plate housing, wherein a plurality of function buttons are provided on the circuit board, and the plurality of function buttons protrude out of the air outlet plate; and

the cabinet further comprises:

a steam sensor provided on the cabinet body or the side plate, wherein the steam sensor is electrically connected to the circuit board; and

a lampblack sensor, provided on the cabinet body or the side plate, wherein the lampblack sensor is electrically connected to the circuit board.

7. The cabinet according to claim 1, wherein, the fan is a centrifugal fan, there are multiple fans, and the multiple fans are arranged at intervals along the length direction of the plate housing.

8. The cabinet according to claim 7, wherein, the size of the projections of the multiple fans on the air outlet plate in a length direction is greater than the size of the air outlet in the length direction; the air duct structure comprises:

a flow guide plate, provided in the space between the fan and the air outlet, and the extending direction of the flow guide plate is not parallel to the direction which is perpendicular to the air outlet plate.

9. The cabinet according to claim 1, further comprising:

a movable plate, movably connected to the air inlet plate; and

a drive member, in transmission connection with the movable plate, wherein the drive member is configured to drive the movable plate to move to adjust the size of the gap between the movable plate and the air inlet plate.

10. The cabinet according to claim 9, wherein, the drive member comprises:

a sliding rail and a sliding block, wherein one of the sliding rail and the sliding block is provided in the plate housing and fixedly connected to the plate housing, and the other one is provided on the movable plate;

wherein the extending direction of the sliding rail is perpendicular to the plane where the air inlet is located.

11. The cabinet according to any of claims 1 to 10, wherein, the plate housing is cuboid-shaped, the plate housing comprises two first side walls provided at the two sides along the length direction, two second side walls provided at the two sides along a width direction, and two third side walls provided at the two sides along a height direction;

wherein, the air outlet plate is one of the second side walls, and the air inlet plate is one of the third side walls.