What is claimed is:

1. A mounting platform, wherein the mounting platform comprising: a tray and a fixed plate;

   the tray is used for carrying a battery, and the tray is provided on the fixed plate and is configured to move horizontally in a first direction relative to the fixed plate;

   a first guide fork is provided on one side of the fixed plate, and the first guide fork is configured to move horizontally in a second direction perpendicular to the first direction;

   a second guide fork is provided on one side of the tray, and the second guide fork is configured to move horizontally in the second direction.

2. The mounting platform according to claim 1, wherein an extending first guide rail is provided on one side of the fixed plate, the first guide fork is slidably provided on the first guide rail.

3. The mounting platform according to claim 2, wherein a first driver is provided on the fixed plate, the first driver is used for driving the first guide fork to slide on the first guide rail.

4. The mounting platform according to claim 3, wherein the first driver is any one of a pulley driver, a screw nut driver, and a linear motor.

5. The mounting platform according to claim 1, wherein a second guide rail is provided on the upper surface of the tray, the second guide fork is slidably provided on the second guide rail.

6. The mounting platform according to claim 5, wherein the second driver is provided on the tray, the second driver is used for driving the second guide fork to slide on the second guide rail.

7. The mounting platform according to claim 6, wherein the second driver is any one of a pulley driver, a screw nut driver, and a linear motor.

8. The mounting platform according to claim 1, wherein both sides of the fixed plate are provided with the first guide fork;

   and/or,

   both sides of the tray are provided with the second guide fork.

9. A battery replacement device, wherein the battery replacement device comprising the mounting platform according to any one of claims 1-8 and a lifting mechanism, the lifting mechanism is used for lifting the fixed plate.

10. A control method, wherein the control method is used for controlling the mounting platform according to any one of claims 1-8; the control method includes the following steps:

    Step 1: detecting the model of a vehicle;

    Step 2: controlling moving positions of the first guide fork and the second guide fork according to result of the detecting.

11. A mounting platform, wherein the mounting platform comprising: a tray and a fixed plate;

    the tray is used for carrying a battery;

    a first guide fork is provided on one side of the fixed plate, and the first guide fork is configured to move horizontally in a second direction perpendicular to the first direction;

    the tray comprises a carrying layer and a connection layer, the connection layer is provided on the fixed plate and is configured to move horizontally in a first direction relative to the fixed plate, the carrying layer is detachably provided on the connection layer, and a fixed guide fork is provided on the carrying layer.

12. The mounting platform according to claim 11, wherein an extending first guide rail is provided on one side of the fixed plate, the first guide fork is slidably provided on the first guide rail.

13. The mounting platform according to claim 12, wherein a first driver is provided on the fixed plate, the first driver is used for driving the first guide fork to slide on the first guide rail.

14. The mounting platform according to claim 13, wherein the first driver is any one of a pulley driver, a screw nut driver, and a linear motor.

15. The mounting platform according to claim 11, wherein an elastic part is provided on the connection layer, the carrying layer is placed on the elastic part.

16. The mounting platform according to claim 15, wherein the elastic part is a spring.

17. A battery replacement device, wherein the battery replacement device comprising a lifting mechanism and the mounting platform according to any one of claims 11-16, the lifting mechanism is used for lifting the fixed plate.

18. A control method, wherein the control method is used for controlling the mounting platform according to any one of claims 11-16; the control method includes the following steps:

    Step 1: detecting the model of a vehicle;

Step 2: controlling moving positions of the first guide fork according to result of the detecting, and installing the carrying layer adapted to the model of the vehicle on the connecting layer.