CLAIMS

1. A microscope, comprising:

an electronic optical column, configured to emit scanning electron beams;

a specimen stage, configured to place a specimen;

a target, movably disposed between the electronic optical column and the specimen stage;

a driving mechanism, configured to drive the target to move between a first position and a second position, wherein the first position is a position at which the electron beams act on the specimen, and the second position is a position at which the electron beams act on the target to generate X-rays irradiating the specimen;

a first deflection device, wherein the first deflection device is disposed between the electronic optical column and the target, and is configured to change a direction of movement of the electron beams before the electron beams are incident on the target; and

a mounting base, wherein the mounting base is provided with at least one mounting position, and each mounting position is configured to mount different targets,

wherein the first deflection device is connected to the mounting base, and the mounting base is connected to the driving mechanism.

2. The microscope of claim 1, wherein the mounting base is provided with a cooling pipeline configured to cool the target.

3. The microscope of claim 1, wherein an X-ray detector is disposed below the specimen stage.

4. The microscope of any one of claims 1 to 2, wherein a lower end of the electronic optical

column is connected with a vacuum chamber, the specimen stage is located in the vacuum chamber, and the specimen stage is disposed below the electronic optical column.

5. The microscope of claim 4, wherein the vacuum chamber is provided with a vacuum window corresponding to a lower side of the specimen stage.

6. The microscope of claim 5, wherein an X-ray detector is disposed below the vacuum window.

7. The microscope of claim 4, wherein the specimen stage is connected to the vacuum chamber through a lifting mechanism, so as to drive the specimen stage to move up and down in the vacuum chamber.