## CLAIMS

1. A bottle clamping device, wherein the bottle clamping device is configured to fix a member to be clamped (6), characterized in that the bottle clamping device comprises a bracket (1), a fixing plate (2), and a clamping assembly (3), the fixing plate (2) is fixed on the bracket (1), the fixing plate (2) is provided with a predetermined number of guide holes (21); and

the predetermined number of guide holes (21) comprise at least one guide hole (21) correspondingly provided with the clamping assembly (3), the clamping assembly (3) surrounds to form a clamping space, the clamping space is in communication with an interior of the guide hole (21) corresponding to the clamping assembly (3), at least a portion of the member to be clamped (6) is able to extend through the guide hole (21) into the clamping space, and the clamping assembly (3) is able to apply a force toward an interior of the clamping space on the member to be clamped (6).

2. The bottle clamping device according to claim 1, wherein the clamping assembly (3) comprises a plurality of elastic pieces (31), the plurality of elastic pieces (31) are fixed on the fixing plate (2), the plurality of elastic pieces (31) are spaced apart and surround an edge of the guide hole (21) corresponding to the clamping assembly (3), and the plurality of elastic pieces (31) surround to form the clamping space.

3. The bottle clamping device according to claim 2, wherein the plurality of elastic pieces (31) are all disposed on a same side of the fixing plate (2); or the plurality of elastic pieces (31) are disposed on two opposite sides of the fixing plate (2).

4. The bottle clamping device according to claim 2, wherein the elastic piece (31) comprises an abutting portion and an extension portion connected to each other, the abutting portion is connected to the fixing plate (2), and a portion of the extension portion extends toward the interior of the guide hole (21).

5. The bottle clamping device according to claim 2, wherein the elastic piece (31) comprises an abutting portion and an extension portion connected to each other, the abutting portion is connected to the fixing plate (2), an upper portion of the extension portion

protrudes toward an exterior of the guide hole (21), and a middle portion of the extension portion protrudes toward the interior of the guide hole (21).

6. The bottle clamping device according to claim 1, wherein the clamping assembly (3) comprises a rubber ring fixed on the fixing plate (2), an inner wall of the rubber ring surrounding to form the clamping space.

7. The bottle clamping device according to claim 1, wherein the bottle clamping device further comprises a mounting plate (42) and a flexible plate (43), the flexible plate (43) is fixed on the mounting plate (42), and the mounting plate (42) is disposed on the fixing plate (2); and

the mounting plate (42) is provided with a mounting hole (421), the flexible plate (43) is provided with a limiting hole (431), the mounting hole (421) is in communication with the limiting hole (431), and the member to be clamped (6) can penetrate through the limiting hole (431) and the mounting hole (421), wherein the flexible plate (43) is configured to be in an interference fit with the member to be clamped (6).

8. The bottle clamping device according to claim 1, wherein the bottle clamping device further comprises a supporting plate (41), a first supporting rod (51), and a second supporting rod (52), the supporting plate (41) is fixed to the bracket (1) through the first supporting rod (51), and the fixing plate (2) is fixed to the supporting plate (41) through the second supporting rod (52).

9. The bottle clamping device according to claim 8, wherein the predetermined number of guide holes (21) are divided into two groups, each of the guide holes (21) in a first group is correspondingly provided with the clamping assembly (3); and

the supporting plate (41) is provided with a clamping hole (411), a position of the clamping hole (411) corresponds to a position of the guide hole (21) in a second group, and the member to be clamped (6) can pass through the clamping hole (411) and the guide hole (21) in the second group.

10. The bottle clamping device according to claim 9, wherein a diameter of each of the guide holes (21) in the first group is smaller than a diameter of each of the guide holes (21) in the second group.

11. The bottle clamping device according to any one of claims 1-10, wherein the bracket (1) comprises a bearing plate (11) and at least two mounting members (12), the at least two mounting members (12) are each connected to the bearing plate (11), and the fixing plate (2) is fixed on the bearing plate (11).

12. The bottle clamping device according to claim 11, wherein the mounting member (12) comprises a connecting plate (121) and an overlapping plate (122), two sides of the connecting plate (121) are respectively connected to the bearing plate (11) and the overlapping plate (122), and the overlapping plate (122) protrudes from the connecting plate (121) in a direction away from the fixing plate (2).

13. A bottle clamping device, wherein the bottle clamping device is configured to fix a member to be clamped (6), characterized in that the bottle clamping device comprises a bracket (1), a fixing plate (2), and a plurality of elastic pieces (31), the fixing plate (2) is connected to the bracket (1), the plurality of elastic pieces (31) are each connected to the fixing plate (2), and the plurality of elastic pieces (31) surround to form a clamping space, wherein the clamping space is configured to receive the member to be clamped (6) inserted therein, and the plurality of elastic pieces (31) is configured to abut against the member to be clamped (6).

14. An ultrasonic dissolution equipment, characterized in that the ultrasonic dissolution equipment comprises a water tank and the bottle clamping device according to any one of claims 1-13, the bottle clamping device is fixed to the water tank, and at least a portion of the bottle clamping device is located in the water tank,

preferably, the water tank comprises a tank body (71) and a cover (72), the tank body (71) has an opening, and the cover (72) is disposed on the opening; and

the cover (72) is provided with a mounting opening (721), the bottle clamping device is fixed to the cover (72), and a portion of the bottle clamping device extends into an interior of the water tank through the mounting opening (721).

15. An ultrasonic dissolution system, characterized in that the ultrasonic dissolution system comprises the ultrasonic dissolution equipment according to claim 14.