CLAIMS

1. An affixing apparatus for affixing a film to a plate-shaped body, the affixing apparatus comprising:

a plate-shaped mounting member provided with a mounting portion on which the plate-shaped body is mounted;

a plate-shaped pressing member installed at a position facing the mounting member; and

a support member installed at an outer edge of the mounting portion so as to be positioned between the mounting member and the pressing member,

wherein the pressing member has a pressing surface on its entire lower surface, the pressing surface is a flat surface, and the pressing surface in contact with the film flattens a surface of the film,

wherein the pressing member and the support member restrict a thick portion of the protective film from flowing further outward from the peripheral edge of a main surface of the plate-shaped body.

2. The affixing apparatus according to claim 1,

wherein the pressing member has a function of pressing the film against a main surface of the plate-shaped body, and

wherein the support member has a function of supporting an edge part of the film when the film is pressed by the pressing member.

3. The affixing apparatus according to claim 1 or 2, further comprising an arrangement device that arranges the film on a main surface of the plate-shaped body.

4. The affixing apparatus according to any one of claims 1 to 3, further comprising a heating device that heats the film.

5. The affixing apparatus according to any one of claims 1 to 4,

wherein the affixing apparatus has a function of sandwiching the edge part of the film between the support member and the pressing member and compressing the edge part in a thickness direction of the film.

6. The affixing apparatus according to any one of claims 1 to 5,

wherein the plate-shaped body comprises a notch-shaped step portion at a peripheral edge part of the main surface to which the film is affixed, and

wherein the support member is installed at an outer edge of the mounting portion such that the support member corresponds to the step portion.

7. The affixing apparatus according to any one of claims 1 to 6,

wherein the plate-shaped body is a semiconductor wafer, and

wherein the film is a protective film for a semiconductor wafer.

8. The affixing apparatus according to claim 7,

wherein the semiconductor wafer has, on a main surface to which the protective film is affixed, a first region in which bumps are arranged, and a second region which includes at least a part of a peripheral edge of the main surface to which the protective film is affixed and in which no bumps are arranged, and

wherein a notch-shaped step portion is formed in the peripheral edge of the main surface to which the protective film is affixed by the second region.