

CLAIMS

1. A mounting apparatus for mounting an electronic component on a substrate, the apparatus comprising:
 - a first movable base movable in a specified first direction;
 - a second movable base attached to the first movable base and movable in a second direction orthogonal to the first direction;
 - a mounting head attached to the second movable base and including a mounting tool for sucking and holding the electronic component;
 - a pressurizing mechanism attached to the first movable base and arranged to apply a force in the second direction to the mounting head;
 - a pressure receiving member provided independently of the first movable base and the second movable base and to receive a reaction force in the second direction from the pressurizing mechanism that occurs when the mounting tool contacts the substrate, the pressure receiving member allowed the pressurizing mechanism to engage slidable in the first direction; and
 - a first rail extending movably the first moving base in the first direction, and wherein
 - the first rail and the pressure receiving members are attached to a third movable base movable in a third direction orthogonal to the first direction and the second direction.
2. The mounting apparatus according to claim 1, wherein
 - the pressurizing mechanism is movable in the second direction so as to release the reaction force when receiving the reaction force from the mounting too.
3. The mounting apparatus according to claim 2, wherein
 - the pressurizing mechanism is attached to the first movable base via an elastic body flexible in the second direction upon receipt of the reaction force.
4. The mounting apparatus according to any one of claims 1 to 3, wherein
 - the pressure receiving member has a size that entirely covers a movable range of the second movable base.
5. The mounting apparatus according to any one of claims 1 to 4, wherein
 - the second direction is a vertical direction,

the first direction is a Y direction orthogonal to the vertical direction, and
the third direction is an X direction orthogonal to the vertical direction and the
Y direction.

6. The mounting apparatus according to any one of claims 1 to 5, wherein
the pressurizing mechanism does not move up and down when raising and
lowering the mounting head.

7. The mounting apparatus according to any one of claims 1 to 5, where
the pressurizing mechanism does not move in the vertical direction when the
mounting head moves in the vertical direction.