【CLAIMS】

【Claim 1】

An adaptor for an electronic component testing handler, comprising:

a pair of grasping levers located to face each other and linearly moving in a direction along which a distance therebetween becomes short or long to thus grasp both ends of a rear end portion of an electronic component or release a grasping state;

an installation frame for installing the pair of grasping levers to allow the pair of grasping levers to linearly move;

a distance control mechanism disposed on the installation frame to apply a control force to the pair of grasping levers so that the pair of grasping levers moves to the direction along which the distance therebetween becomes long;

operating members for applying pressurizing forces to the pair of grasping levers in the direction along which the distance between the grasping levers becomes short so that if the control force applied to the pair of grasping levers from the distance control mechanism is removed, the pair of grasping levers moves to the direction along which the distance therebetween becomes short; and

a base member having a pair of base protrusions protruding therefrom to support an underside of the electronic component, the base protrusions having base projections protruding therefrom to prevent the electronic component seated in the lying posture from escaping downward, and the pair of grasping levers each have a through groove passing the corresponding base protrusion therethrough, and

wherein the grasping levers each have a guide groove formed long in forward and backward directions on a surface facing each other to grasp both ends of the electronic component and guide forward and backward movements of the electronic component.

【Claim 2】

The adaptor according to claim 1, wherein the distance control mechanism is disposed linearly movable in forward and backward directions thereof on the installation frame and comprises a control part having both ends coming into contact with the grasping levers so that the distance control mechanism is configurable to move backward by means of an external force such that the control part applies the control force to the grasping levers in the direction along which the distance between the grasping levers becomes long, and the distance control mechanism is configured to move forward by means of the removal of the external force such that the control part releases the control force applied to the grasping levers.

【Claim 3】

The adaptor according to claim 2, wherein the grasping levers each have operating grooves formed on the surfaces facing each other, each operating groove has a slant surface so that the operating groove becomes low in depth toward the rear side thereof, and the control part has protruding portions protruding outward from both left and right sides thereof and thus corresponding to the operating grooves so that the protruding portions are configured to come into contact with the slant surfaces of the operating grooves to allow the distance between the grasping levers to be varied according to the position of the control part.

【Claim 4】

The adaptor according to claim 1, wherein the operating members are formed of elastic members each having one side supported against the installation frame and the other side coming into contact with the grasping levers.

【Claim 5】

The adaptor according to claim 1, wherein the installation frame has at least one or more position setting protrusions protruding from both left and right sides of a front end portion thereof and thus inserted into position setting grooves of a test hand for moving the adaptor.

【Claim 6】

The adaptor according to claim 1, wherein the installation frame has an accommodation groove formed on a front end portion thereof to accommodate the front end portion of the electronic component therein and support projections formed on left and right walls constituting the accommodation groove to support both sides of the front end portion of the electronic component, so that the front end portion of the electronic component is configurable to be inserted between the left and right walls constituting the accommodation groove, while being supported against the support projections.

【Claim 7】

The adaptor according to claim 6, wherein a seating space in which the guide grooves and the accommodation groove are included is open in the forward and backward directions thereof.

【Claim 8】

The adaptor according to claim 1, wherein each guide groove comprises a horizontal maintaining section in which

the electronic component grasped in a lying posture is maintained horizontally on level, a width increasing section increasing in width toward the forward direction from the front end of the horizontal maintaining section, and an open section having at least the same width as the front end of the width increasing section or a width more increased than the width increasing section.

【Claim 9】

The adaptor according to claim 1, wherein the installation frame has at least one or more position fixing grooves formed on both left and right sides thereof to insert position fixing pins of a mounting stand for mounting the adaptor thereinto.