

DEVICE AND METHOD FOR SELF-ADJUSTMENT OF A COMPONENT-HANDLING DEVICE FOR ELECTRONIC COMPONENTS

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Abstract

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A component-handling device serves for removing components from a structured component supply and for storing the removed components at a reception device. Said reception device has to be respectively newly adjusted after being initially put into operation after the replacement of device components or after maintenance work, in order to comply with the precision requirements when handling the components. The component-handling device has for this purpose a self-adjustment device which permits it to adjust the device efficiently in terms of time and with high precision without manual intervention by an operator. The self-adjustment device is composed here of a multiplicity of optical sensors and a controller. Adaptation of the measurement results acquired by means of the optical sensors using position sensors and property sensors installed originally for component inspection during fabrication gives rise to a high degree of process reliability and at the same time permits device components to be inspected for damage.

Fig. 1