

ABSTRACT

POSITION CONTROL APPARATUS, POSITION CONTROL METHOD, POSITION CONTROL PROGRAM, AND BONDING APPARATUS

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A position control apparatus includes: a tool unit performing a work on a target object placed on a stage; a first imaging unit imaging a reference indicator set on the stage or the target object and outputting a first image; a second imaging unit imaging the reference indicator and outputting a second image; a head unit supporting the tool unit, the first imaging unit, and the second imaging
10 unit; a calculation unit calculating three-dimensional coordinates of the reference indicator based on a first indicator image which is an image of the reference indicator captured in the first image, and a second indicator image which is an image of the reference indicator captured in the second image; and a drive control unit causing the tool unit to approach or separate from the target object based on the three-dimensional coordinates. According to the above configuration, the position
15 control apparatus can realize precise three-dimensional coordinate measurement of the target object relative to the head unit and shorten a lead time from the three-dimensional coordinate measurement of the target object to execution of the work.

Figure 1

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