

ABSTRACT

MOUNTING APPARATUS, MOUNTING METHOD, AND MOUNTING CONTROL PROGRAM

A mounting apparatus obtains calibration values for calibrating a difference between
5 coordinate values calculated based on top-view images and coordinate values calculated based on
a bottom-view image, for each assumed placement height of a planned placement area of a
mounting body to be laminated. A calibration controller calculates the calibration values based
on the top-view images and the bottom-view image, output by a bottom-view imaging unit and
top-view imaging units employing a Scheimpflug optical system by imaging a calibration index
10 arranged to match the placement height. A mounting controller adjusts a position of a mounting
tool so that a planned contact surface of the mounting body is at the placement height to recognize
a reference position based on the bottom-view image captured by the bottom-view imaging unit,
and adjusts positions of the top-view imaging units so that the focal plane falls on the same plane
as the placement height to recognize a target position based on the top-view images obtained by
15 the top-view imaging units by imaging the planned placement area and the calibration values
corresponding to the placement height.

Figure 7