

VERTICAL ALIGNMENT TABLE MECHANISM

ABSTRACT

A vertical alignment table mechanism 21 for a board 25 to form a printed wiring board has a vertical support wall 43, and an alignment table 33 disposed in vertical attitude opposite to the front surface of the support wall 43, having an opening in which an exposure mask 23 is disposed. The alignment table 33 is supported for movement in a vertical plane on the vertical support wall 43 by a means of plurality of table support devices 35. Each of the table support devices 35 includes a ball caster 51 fixed to the support wall 43 having a ball 51a therein and a contact block 53 fixed to the alignment table 33. A tension spring 55 urges the surface of the contact block 53 against the ball. Table moving devices 37 are also provided between the support wall 43 and the alignment table 33. Each table moving device 37 includes a contact block 85 on the alignment table, and a follower roller 83 on the support wall 43. A spring 37 urges the follower roller 83 against the contact block 85. A pulse motor 71 causes movement of the alignment table 33 relative to the support wall 35.

Fig. 1