

## Discharging Device for Plate-Like Works

### Abstract

5 To discharge good and bad printed circuit boards which have been subjected to a machining operation in such a manner that they are completely separated, to require no separator and to save the floor space and to reduce cost.

10 A pair of discharging rollers 7 comprising a follower roller 72 and a motor roller 71 which are vertically opposed to each other are provided at one end of a work table T for machining a printed circuit board W. Stockers are provided which are adjacent to the discharging rollers and capable of piling the printed circuit boards. The first stocker 22 located 15 below the surface of the work table and the second stocker 23 located above the first stocker 22. There are driving means for allowing the pair of discharging rollers 7 to come close to, or separate from, each other and an elevating device for elevating or 20 lowering the discharging rollers 7 between an elevation position higher than the position of the second stocker 23 and a lowering position lower than it. A good printed circuit boards Wg is discharged (c) to the first stocker 22 by the discharging rollers 7 25 located at the lowering position, then a bad printed circuit board Wng is held by the pair of rollers 7 and discharged to the second stocker 23(d) by elevating the rollers 7 to the elevation position

Fig. 3

This Sheet Has Been Replaced



THIS SHEET HAS BEEN  
REPLACED