VERTICAL PROBE DEVICE ~~AND SUPPORTER USED IN THE SAME~~

ABSTRACT

A vertical probe device (10) includes a lower die (30) having engaging holes (34) and needle holes~~,~~ (36), a positioning film (40) having limiting holes (42) and needle holes~~,~~ (44), probe needles (50) inserted through the needle holes, and supporters (60A to 60F, 70) having at least an upper stopping surface (622) and at least a lower stopping surface (662) for moveably limiting the positioning film therebetween. Each supporter has a head~~,~~ (62), a neck (64) passing through the limiting hole and having a length longer than the thickness of the positioning film, a body~~,~~ (66), and a tail (68) inserted into the engaging hole, which are connected in order, and at least one of the upper and lower stopping surfaces. The supporters can prevent the positioning film from being lifted and flipped over and enables the positioning film to move so that the probe needles are reliable.

Figure 1