

ABSTRACT**DEVICE AND METHOD FOR PERFORATING PRINTED CIRCUIT BOARD**

Accurate perforation of a printed circuit board is made possible with a simple configuration.

A plurality of reference—holes 62 are provided on a jig plate 61 on a work table 1. An imaging means and a perforating means 3b on a movable side is moved by a second shifting means 20b by an amount corresponding to the interval between holes to be perforated. Reference—Holes 62a and 62c are irradiated by X—rays from both X—ray irradiating means 4 to image transmitted images thereof by both imaging means 2a and 2b, and an error between the positions of the centers thereof and the centers of the images is obtained. Since the interval between the reference—holes 62a and 62c is known, the interval between both imaging means 2a and 2b can be calculated. Then, a printed circuit board is set; both reference marks are imaged by both imaging means 2 and are subjected to image processing to obtain an error between the positions of the centers thereof and the centers of the images; and the interval between the reference marks is calculated from the interval between both imaging means. Then, a correction is made wherein an error between the reference marks and the interval between holes to be perforated is distributed to set perforating positions where perforation is carried out with drills 43c.

FIGURE 1