

APPARATUS FOR AUTOMATICALLY PRESSURE FITTING PARTS

ABSTRACT

The invention concerns an apparatus for automatically pressure fitting parts. In the apparatus, a work with part fitting holes is set on a work bench, and parts are fed to a predetermined position while being heated. The work bench is moved in an X- and a Y-direction to bring a part fitting hole of the work to a position underneath the predetermined position. A holder is then lowered, then is caused to take hold of the part at the predetermined position and pressure fit the part in the part fitting hole of the work held below, and then is pulled upward out of the part having been pressure fitted and secured in the position in the part fitting hole. Parts may be fed while being vibrated with an ultrasonic wave instead of being heated, and then may each be pressure fitted while being vibrated in a part fitting hole of the work, followed by pulling the holder upward out of the part having been pressure fitted and secured in the position in the part fitting hole.

(Fig. 1)