

CARRIER AND DETECTION APPARATUS

ABSTRACT

A carrier (200) and a detection apparatus. The carrier comprises a mounting base (211), a support assembly (220), a drive assembly (230), and an optical path adjustment assembly (240), wherein a product (100) is supported on the support assembly (220), and the side of the product (100) provided with an inner cavity (110) faces the mounting base (211); and the drive assembly (230) drives the optical path adjustment assembly (240) to move towards the product (100) until the optical path adjustment assembly (240) extends into the inner cavity (110) and is opposite a mounting hole (120), so that light can illuminate a side wall (130) of the inner cavity (110), thereby realizing detection of an outer side of the product (100) and the side wall (130) of the inner cavity (110) by means of a detection device. When a bottom wall (140) of the inner cavity (110) of the product (100) is detected, it is only necessary to drive the optical path adjustment assembly (240) away from the product (100) by means of the drive assembly (230), then to flip the product (100) over and place the product on the support assembly (220), and then to detect the bottom wall (140) of the inner cavity (110) of the product (100) by means of the detection device. During detection, there is no need to provide two stations and two carriers, thus making the structure of the detection apparatus more compact, and also reducing the cost of the apparatus.

FIG. 3