

Apparatus and Method for Evaluating Degree of Adhesion of Adherents to Mold Surface,
Apparatus and Method for Surface Treatment of Mold Surface and Method and
Apparatus for Cleaning Mold Used for Molding Resin

ABSTRACT OF THE DISCLOSURE

There are provided a lower sensor (13) and an upper sensor (14) mounted respectively on top and bottom surfaces of a sensor unit (10), an operation unit (20) calculating respective measurements indicating the degree of adhesion of dirt to respective surfaces of a lower mold (1) and an upper mold (2) based on respective detection signals from the lower sensor (13) and the upper sensor (14), and a comparator unit (21) comparing each measurement from the operation unit (20) with a predetermined reference value to transmit a predetermined warning signal if the measurement is equal to or smaller than the reference value. The warning signal is thus transmitted if reflected radiation (16, 18) that is radiation (15, 17) reflected from the mold surface has its intensity equal to or smaller than the reference value. Accordingly, the degree of adhesion of dirt is quantitatively evaluated and, the cleaning according to the warning signal allows the efficiency of resin-molding operation to be enhanced, the resin-molding operation to be automated and the yield of molded products to be improved.

Fig. 2



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