



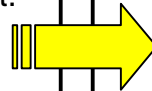
Detection of bottom dead center of pressing machine

OUTLINE / PREVIOUS

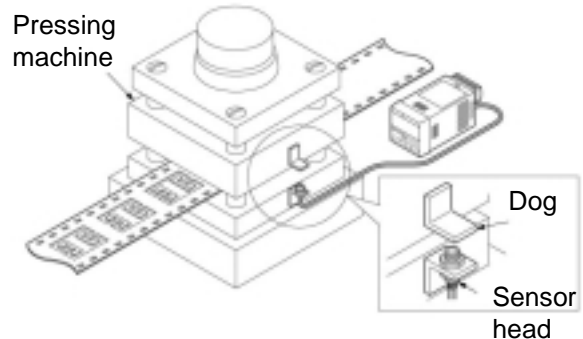
Customer : Electronic components manufacturer

Pressing machine

The displacement amount in the reference position (bottom dead center) of a press is measured and, upon displacement amount beyond the specified tolerance, judgment is output.



SOLUTION



PROBLEM

We would like to change the current dog to the stainless-steel dog in order to prevent rust. Therefore we need a sensor that can detect stainless-steel precisely.

MODEL / HOW TO

GP-XC12ML

GP-XC12ML measures the deviation amount of bottom dead center on presses accurately in case that you use the stainless-steel dog too.

BENEFIT 1 Realized high-precision detection performance of stainless-steel dog

Tips; We realized linearity $\pm 0.3\%$ F.S. toward stainless-steel and iron. Especially **GP-X** series is proud of its highest detection level toward stainless-steel that are stronger than iron against rust and high frequency in use. Specifications corresponding to stainless-steel, iron and aluminum has already been inputted. Therefore you can easily select the setting that is most suitable for the particular material used.

BENEFIT 2 Easy setup with press BDC (bottom dead center) detection mode

Tips; Press BDC detection mode have already been set on controller. Therefore you can easily input the setting numerical values. Moreover with a comparison with previous mean, criterion can be changed along with subtle variations of reference position caused by temperature.

BENEFIT 3 *Recommendable tips in order not to break metal mold*

Tips; If you set the sampling time period and trigger delay period with internal trigger function inside manual mode, problems of metal mold (pressing foreign substances) will be detected immediately, and a signal will be outputted before the metal mold breaks.

