



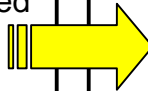
Distance measurement between hard disk and grinding disk

OUTLINE / PREVIOUS

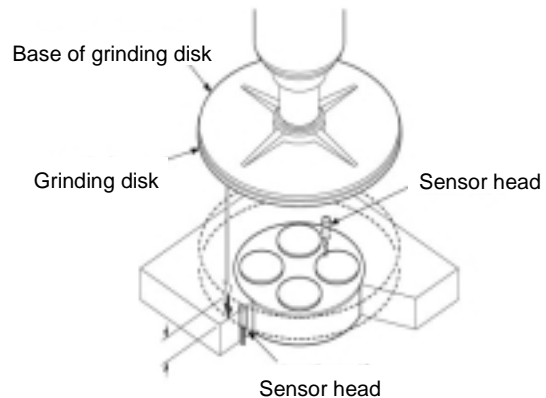
Customer : Manufacturer of grinding devices for hard disk

Grinding devices for hard disk

We grind the surface of hard disk with the grinding disk made from iron (containing diamond powder). And in grinding the surface of the hard disk, the distance between the hard-disk and the grinding disk is adjusted to the regulated one with two sensors.



SOLUTION



PROBLEM

We need a sensor whose resolution is higher than 1um.

MODEL / HOW TO

GP-XC5SE

The sensor heads built in the grinding devices output signals when the distance between the hard disk and the grinding disk reaches the regulated distance.

BENEFIT 1 Stable detection with high-precision

Tips; It is possible for **GP-XC5SE** to perform the stable detection because of its high-resolution of 0.04% F.S.(0.4um) and high-precision of linearity +/- 0.3% F.S.

BENEFIT 2 Saving measurement data to PC is possible.

Tips; The controller is equipped with the RS-232 communication connector. It is capable of various controls such as saving measurement data to PC and various settings from PC and so on. Monitoring of waveform on PC is very easy by using **GP-XAiM**.

BENEFIT 3 It is possible to extend sensor heads.

Tips; If you use the extension cable **GP-XCCJ7** that is can be used up to a 10m total length, you can set a controller far from a sensor.

