

## ...for optimized productivity

### **Stable detection on any surface**

The ZX1 and ZX2 easily handle previously difficult surfaces such as dark matt-type and shiny surfaces. This ability eliminates production line stoppages caused by sensor failure, and also minimizes stoppages caused when the target's surface is changed. This highly stable measurement is a result of the advanced HSDR (High Speed Dynamic Range) CMOS camera chip and the step-less laser power adjustment algorithm.

### **All-in-one housing**

The ZX1 displacement sensor includes an integrated amplifier. So you only need to mount one component. This not only saves time and space but also simplifies cabling. In addition the ZX2 offers one of the world's smallest displacement sensor heads.

### **Plug & Play**

These compact, easy-to-mount sensors are also easy to configure. Just one button press is all it takes to 'teach' the sensor about which surface type it is sensing. Perfect for fast machine installation, and ideal for use when product designs are changed.



# One range - multiple applications

With Omron's new ZX1 and ZX2 displacement sensors you have the ideal solution for almost all of your displacement measuring tasks. For example, whether you need to check the tension of a paper-roll feed or the closure of a lid, the ZX1 and ZX2 measurement sensors provide a wide range of solutions to fit your application. That's because these precision measuring sensors are not only fast and highly reliable, they are also extremely flexible - with measuring distances from 20mm to 1000mm.

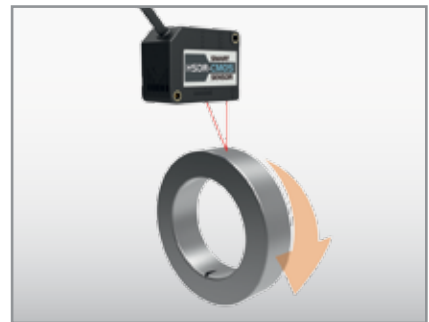
## Detection of proper cap height



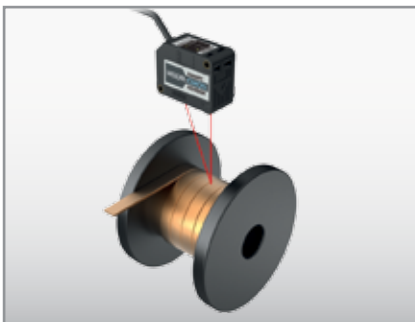
## Double-sheet detection



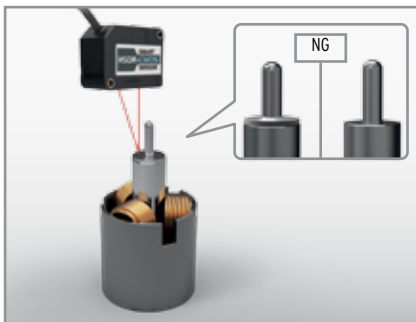
## Measuring material 'run-out'



## Measuring coil or spindle winding



## Confirming correct assembly



## Quality assurance of molded products

