OMRON

Color Mark Sensors

E3S-DC/E3NX-CA Series

Food/ Beverage/ Personal Care Industries

Packaging Comes in a Variety of Designs and Materials

Recently, packaging materials and designs have grown much more diverse, such as aluminum vapor deposition material to prevent oxidation, or very colorful packages to attract the attention of consumers.

Highly-reflective glossy packaging, such as aluminum vapor deposition material

Colorful packaging where there is little difference in color between the mark and background

Low-reflection packaging, such as film with fine asperities

Business Challenge

If we respond to packaging trends, the number of false detection with color mark sensors will increase, reducing productivity...

More and more people working with color mark detection in the field are calling for the following:

"I want stable detection of aluminum vapor deposition material and other glossy packaging."

"I want stable detection of colorful packaging with little color difference."

"I want stable detection of packaging even if the lot changes."