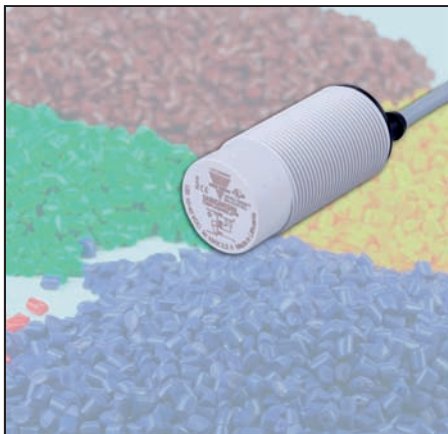




Application notes



Application Note : June 2014

Market involved : Plastic and Rubber

Product : CA30CA.. and Ca30 CA..DU

Customer : --

Subject : Detection of plastic pellets in a dryer

CUSTOMER ISSUE :

Detection of the presence of plastic granules inside a dryer may run into the following problems :

- A standard sensor can only withstand a temperature of up to 120°C.
- The sensor can be damaged by the ESD generated by the dry plastic granules.

OUR SOLUTION :

Our 4th generation TRIPLESIELD™ capacitive sensors are specifically designed to deal with the EMC problems that may occur in the plastics industry.

With extreme Electromagnetic Immunity, namely 40 kV immunity to ESD, our sensors are the ideal solution for reliable detection of plastic granules.

The CA30CA.. sensors withstand temperatures up to 120°C.

BENEFITS :

- Since 1996 Carlo Gavazzi has been designing reliable sensors aimed at the plastics industry applications. Our 4th generation TRIPLESIELD™ sensors set a new standard for Electromagnetic Immunity.
- The customer does not have to replace the sensor due to ESD and the downtime of the machine is reduced.