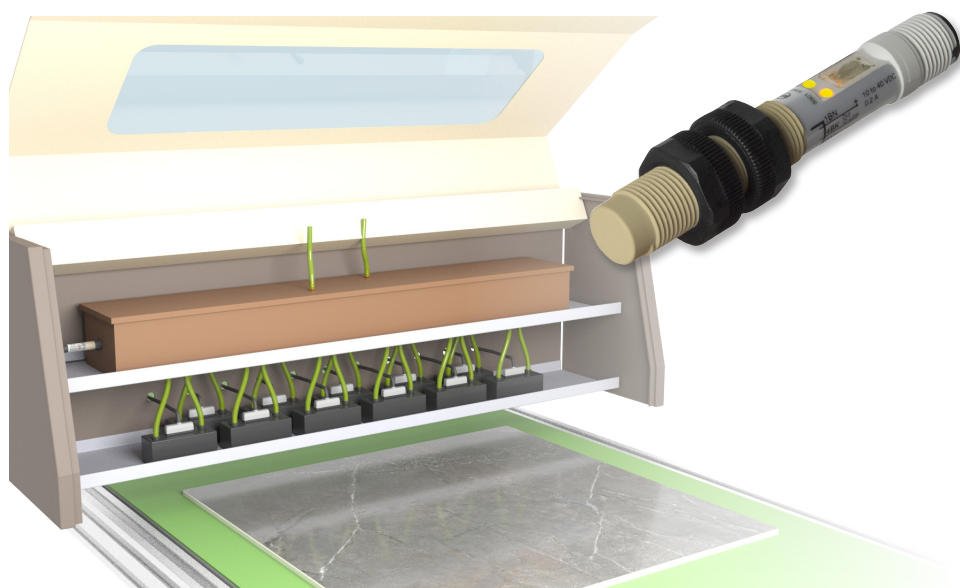


Application note



Subject:
Ink detection

Industry:
Conveyors, Printing

Product:
CA12K...IO

Customer:
OEMs

CUSTOMER ISSUE

In industrial inkjet printers, mainly intended for tile printing, it is essential that the printer does not run dry, since if it runs out of ink the entire print job must be disposed.

OUR SOLUTION

The CA12K...IO sensor is made with the front part in PEEK material which is smooth and ensures that ink does not stick to the surface.

Two CA12 sensors can be configured for a filling function meaning, if the ink level is below the lowest positioned sensor, a pump can automatically fill the printer container until the level reaches the level of the highest placed sensor.

This function can be selected via an IO-Link controller or using our SCTL55 Smart Configurator.

Via IO-Link, the sensor can be configured for a variety of functions.

BENEFITS

- The smooth surface of the PEEK material reduces cleaning processes on the front of the sensor.
- The automatic filling process can reduce supervision time and ensure that the printer does not run dry.
- In IO-Link mode, valuable downtime can be avoided thanks to predictive maintenance functions such as Quality of Run, Quality of Teach and Temperature information.
- In addition, IO-Link allows for easy customization of sensitivity, timers, and logic functions.