CARLO GAVAZZI
Automation Components
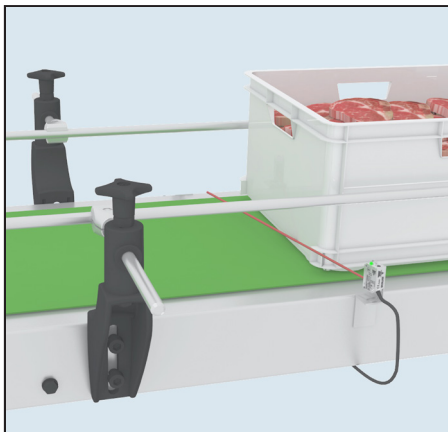

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Sensors   **Switches**   **Controls**

Application notes

Application Note : June 2021

Market involved : Food & Beverage

Product : PD30CT...IO

Customer : OEMs

Subject : Food production - slaughterhouse for pigs

CUSTOMER ISSUE :

Hygiene and cleanliness are highly demanded and applied to the food industry, where the use of equipment that can withstand daily wash-downs at high temperatures, high-pressure cleaning and harsh detergents is required.

The boxes used on the conveyor belt can be of different colours and it is important to correctly detect and handle them.

Downtime reduction is vital to avoid costly stops in the production line.

OUR SOLUTION :

The PD30ET...IO sensors family includes Background suppression and Retro-reflective versions that can be suitable for this application.

The background suppression sensor superiorly detects all colours of objects at the same distance from the sensor, and its durable design withstands daily cleaning processes including high-pressure water jets (IP69K) as well as aggressive cleaning agents.

BENEFITS :

- The sensor is equipped with IO-Link and has build-in predictive maintenance functions such as Quality of Run, Quality of Teach, Temperature and dust alarms, Excess Gain and Auto Adjustment that will reduce downtime on the production line.

- The IO-Link allows easy customization of distances, timers, logic functions as well as different output configuration.

- Due to the strong and durable housing the sensor will last longer on the production line.