Application Note...

Customer
A large scale sanitary pad manufacturing industry

Customer requirements
Reliable presence detection of release paper on high Speed machine

Epsilon Solution
ECA-DP visioncamerawith8mmlens,and array light

Why Epsilon?
Epsilon provides economic and reliable solution for critical application

Deployed300mm from its target, an ECA-DP with 8mm lens inspect for verification of presence of release paper on sanitary pad.

Customer Benefits

Flexibility–User friendly tools and camera options simplify any application change over

User Interface– Touch Screen display allows the operator to manage the device and monitor inspection results.

ECA-DP Features:

- LCD flat-panel touch screen with wide viewing angle
- No external PC required to configure, change or monitor
- Multiple tools can be used in the same inspection.
- Up to three cameras can be use to connect on single controller and no effect on camera inspection time

Learn More

Visit www.epsilonfiberoptics.com for more application information

Background

Special application done for sanitary pad manufacturing industry. These industries need a simple, cost-effective, and reliable way to verify presence and absence of release paper on sanitary pad.

Challenge

The size of the Products are long, pattern on release paper and travelingatspeedsofupto1000/minute so we have to make camera inspection time 30ms to 50 ms maximum.

Solution

The Epsilon ECA-DP vision camera provides a simple way to perform presence and absence of release paper on sanitary pad. Epsilon ECA-DP vision camera compares image of current product with pre saved image for each batch. In event of absence of release paper one electronic output are generated from Camera. In this case, output is used to eject the faulty Product.

Product Image