

Customer

Large scale Printing, folding
Packaging Industries.

Customer Requirements

The purpose is to avoid an unprinted
product to be floated in the market.

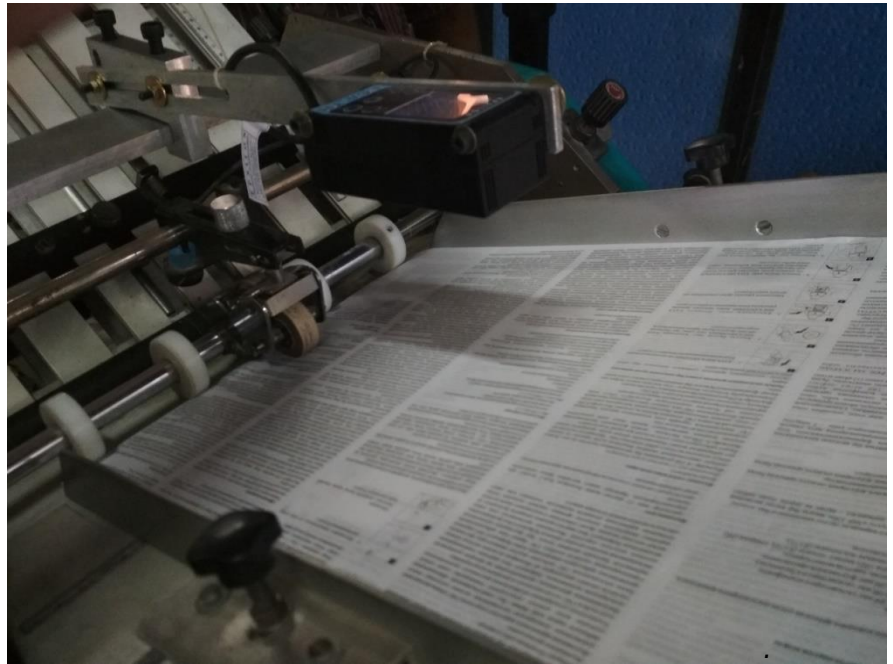
Epsilon Solution

ECA-TH vision sensor with
White LED light

Why Epsilon?

Epsilon provides economic and
reliable solution for critical application

BLANK PAGE DETECTION SYSTEM...



Customer Benefits:

- Improved Productivity
- One time installation
- Improved Speed

ECA-TH Image



Epsilon ECA-TH

Features

- ECA-TH model (208 × 236 Pixels)
provides accurate analysis at high
speeds
- Easy setup, usefull zoom-in functions
- Features compact, inbuild white LED

Learn More

Visit www.epsilonfiberoptics.com for more
application information

Background

Every printing industry's purpose is to avoid the unprinted or blank page which was missed while printing is folded and floated in market. These industries need a simple, cost-effective, and reliable way to detect the blank page or any page which has whole content is missing.

Challenge

The Different size of pages traveling at speeds of up to 120/ fpm with so many Challenges on same speed. On every batch there are different sizes of papers with different contents. The system is designed for continuously checking the blank or unprinted pages and if blank page is detected by system then machine should stop immediately so that operator can remove that paper from machine.

Solution

The Epsilon ECA-TH sensor provides a simple way to perform Blank page detection using the edge(Contour) tools, Epsilon ECA-TH edge identification sensor can provide additional reliability for blank page inspection. The printed contents on each page is compared with the pre-taught blank page. In event of a blank page or unprinted page electronic outputs are generated from ECA-TH sensor which is connected to the Intelligent Controller. The controller is design for latching the output to stop the machine immediately and which can be reset by using reset push button.