

Edge detection

Application description



Edge detection

Market situation

Intricate folding carton structures make products more attractive and increase sales in the market. Such intricate structures require intricate controls to ensure that no errors are caused during the packaging processes.

Camera controls

A 1 or 2 cam-system is used for this. Each camera can check the presence and position of up to 16 edges. It can therefore check features such as whether glue flaps are folded correctly.

Speed

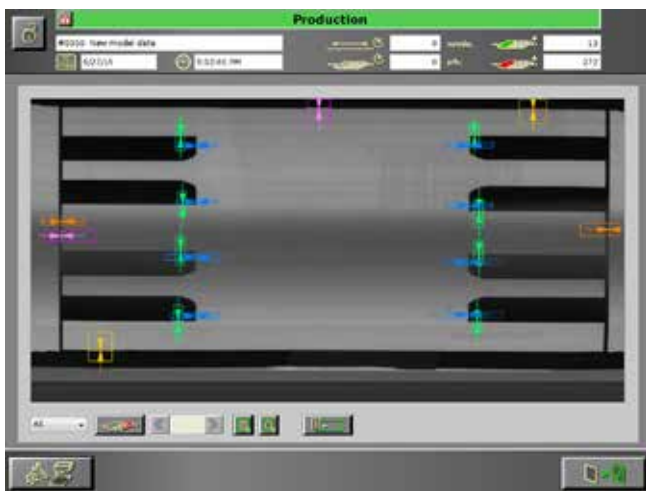
Max. 300m/min at an encoder resolution of 1mm

Measurement accuracy

± 1mm

Xcam solution

1 or 2 cam-system
Line scan camera



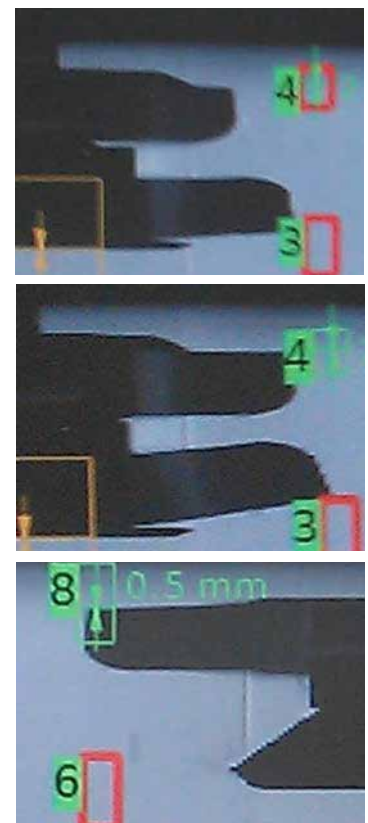
Edge measurement

8 x in and 8 x transverse to the running direction measurements are made using a reference edge

Tracking

X & Y tracking to automatically compensate for skews in the feed and in the products

Detected and ejected errors



An overview of the advantages

- Checks up to 16 edges
- For intricate folding carton structures
- Familiar user interface in the software