

PRODUCT INFORMATION

ERO-GDS

GLUE DETECTOR SYSTEM FOR FOLDER-GLUER MACHINES

Glue detector as above ready with up to 4 points of control

12" TOUCH SCREEN



All glue detection systems are monitored and run by a 12" Touch screen. A data analyser, an encoder frequency divisor and a stroboscopic illuminator are installed inside an electrical cabinet.

CONTROL STATION



- Black & White camera 640X480 pixels resolution, 60 frames/second.
- 32 high efficiency led stroboscopic camera illuminator.
- Right side stainless steel support for camera and illuminator OR left side stainless steel support for camera and illuminator.
- Illuminator driver.
- Encoder divider.
- Extractor/kicker/marker driver.
- Low noise and 4 meters of extra protected camera cable.
- 4 meters illuminator cable.

TECHNICAL FEATURES

WORKING PRINCIPLE:

A well glued box must be run under the glue detection camera, and through an auto-learning system, the device takes a picture of this good *sample*. This *sample* is a box with a correct gluing pattern accepted by the operator. The picture of this glued box will be memorized and constantly compared by the system to all other boxes which run through the machine. The glued box acquired through the auto-learning system will be the *sample* to which all other boxes must be compared. If other glued boxes which run through the machine are not the same in terms of volume and / or position, as the accepted *sample*, the system will recognise these different boxes as faulty. This means the glue pattern must be exactly the same on each produced box within the tolerance frame. After the recognition of faulty boxes the glue detection system is able to mark them using specific devices.

SPECIFICATIONS AND TOLERANCES:

Smallest readable dot = Ø1.5 at 200 meters/minute.

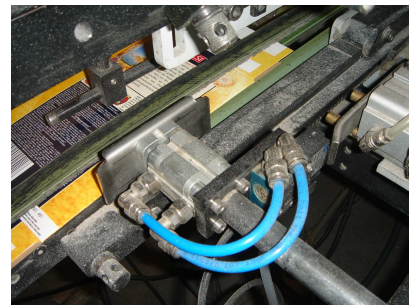
Adjustable tolerance threshold to measure whether glue levels are too low or too high.

Adjustable tolerance threshold for shifted glue pattern position at the beginning or at the end of glue patterns (Min. tolerance = 1mm).

1) Extractor for small boxes



2) Kicker



Marker and its gun GTE-10

