

## PRODUCT INFORMATION

### GLUE DETECTOR FOR CASEMAKER/FLEXO FOLDERGLUER MACHINES

Glue detector from above ready up to 4 points of control

The **GLUE DETECTION SYSTEM** includes the following features:



#### DATA ANALYSER

with 800 MHz double processor.

The data analyser is able to work up to 360 meters/minute.

#### 12" TOUCH SCREEN

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



#### CONTROL STATION



Black & White camera 640X480 pixels resolution, 60 frames/second.

128 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.

Low noise and extra 5 meters of extra protected camera cable.  
5 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 that the glue pattern must be exactly the same on each produced box within the tolerance frame. Upon the recognition of faulty boxes the glue detection system is able to mark them using specific devices.

Up to 3 glue lines can be detected by the system.

### OPTIONAL:

#### **Specifications and tolerances:**

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

Adjustable threshold by tolerance for too low or too much glue.

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

### THE MARKER

*The picture below shows the marker system which can run on ink or UV liquid and its dispenser type GTE-10*

