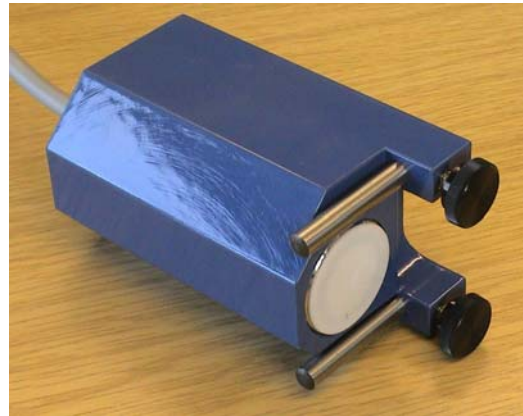


SOUTHLAKE CORP

GLS-2 GLUE LINE SENSOR for **ALL INTERNAL ANCHORAGE LINES or SWIRL**



The GLS-2 Glue line sensor has been specifically developed to detect the presence of any type of internal glue lines applied to the filter or cigarette paper. The unique sensor scans the whole width of the paper detecting the total amount of glue on either side of the paper, and sends a signal back to the controller. The Controller monitors this signal and will give an eject alarm if the glue application varies from the set parameters.

The sensor measures the total amount of adhesive applied to the paper, therefore even if the correct number of lines or swirls are being applied, but the total volume of adhesive is lower or higher than required, the product will be ejected. Eject value resolution can be set to as little as + or – 10% of total glue application.

The controller is designed as a dedicated unit and features a “Teach” button facility, this allows the operator to automatically set the controller to accept and remember the current value of adhesive being applied. The acceptable + & - tolerance value applied to this signal can be easily changed by the customer.

The Eject output can be configured via the screen to either be a time delay on signal or a full shift register count (adjustable), to allow the faulty product to be ejected at the correct position on the machine.

Because the sensor scans the total area of paper after the glue lines have being applied, any lateral movement (tracking / running adjustments within normal running limits) will not affect the signal.

A second Optional sensor can be plugged in that will read the value of the paper, and deduct this from the adhesive value.

Main Features

- Inputs:- Power = 24vdc input – Glue Start Signal = 12 or 24vdc.
- Outputs:- Eject (selectable shift register) + Xenon & AWD.
- Unique sensor with large scan area complete with paper guide pins.
- Optional plug in second sensor for detecting paper value.
- Glue lines can be detected from either side of the paper, including swirl pattern.
- Normal running paper tracking variations / settings will not affect the glue signal received.
- Audible warning alarm & Xenon lamp will be activated when detecting faulty adhesive application.