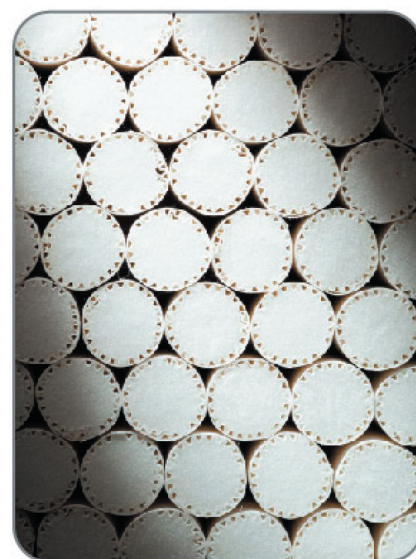


THE BENEFITS

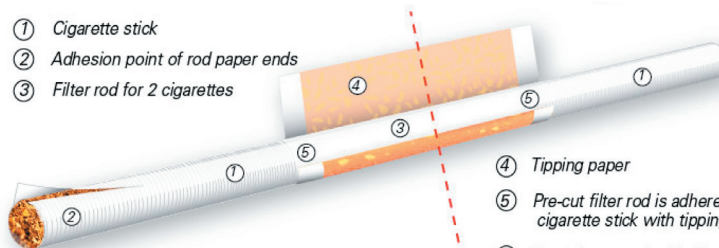


The customer now has real-time monitoring of glue presence or absence on the tipping paper.

**USING A LION PRECISION
SENSOR FOR GLUE DETECTION
ON CIGARETTE TIPPING PAPER**



- ① Cigarette stick
- ② Adhesion point of rod paper ends
- ③ Filter rod for 2 cigarettes

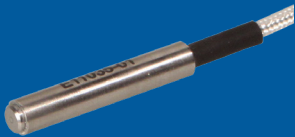


- ④ Tipping paper
- ⑤ Pre-cut filter rod is adhered to the cigarette stick with tipping paper
- ⑥ The tobacco rod with filter and tipping paper is cut in the middle into two finished filter cigarettes

THE SOLUTION



CPL230 Driver



C5-2.0 Probe

CIGARETTE MANUFACTURING often requires the cigarette to have a filter. Tipping paper is placed around the filter. Traditionally, cigarettes were only produced with imitation cork tipping paper. Today, the market requires tipping paper of every kind and color to personalize cigarettes as much as possible. The higher demand of the so called “light” cigarettes requires perforated tipping paper to lower nicotine and tar levels.

When the tipping paper is wrapped around the filter, a water based adhesive is used to hold both ends of the paper together. Lion’s solution was to use a CPL230 capacitive sensing system to verify the application of glue on the tipping paper. During manufacturing, the cigarette assembling machinery runs at extremely high speed. The 15Hz bandwidth of the CPL230 system allows it to easily keep up with high speed process and deliver a virtually instantaneous change in output when glue fails to be applied to the tipping paper.

LION PRECISION HIGH SPEED non-contact sensors are the best choice for glue detection and many other industrial detection and position measurement applications.

Ordering Information

Please contact Lion Precision for ordering information.

We can be reached via email at infolionprecision@carlisleit.com, or via telephone at (651)-484-6544.



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