

TOBACCO CONTROL OF CIGARETTES

CHALLENGES

- To manage product profitability through a consistent tobacco fill
- To protect product quality and smoking experience by reducing breakage, air pockets and loose filters through a consistent and compact tobacco fill
- To identify the most efficient and cost-effective product control

SOLUTION

METRIX OD is an outer diameter control solution well-adapted to controlling cigarette diameters - an indicator of tobacco fill. It is equipped with :

- A contactless, pneumo-electronic transducer
 - That therefore doesn't damage the rod
 - In which the rod being manufactured can "flow"
 - Able to measure with a 5 µm accuracy
- Software for recording and analyzing measured diameters, and for drift detection alerts

Software can dynamically correct manufacturing parameters.

BENEFITS

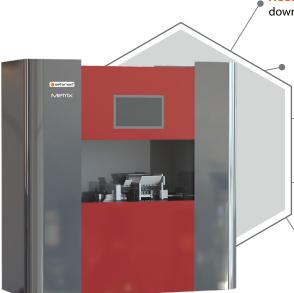
Quality and profitability

The control solution is online and :

- Is signficantly faster than manual control
- Is as close as possible to the manufacturing process so able to detect drift very early
- Quickly and dynamically corrects process parameters

The solution therefore improves profitability by quickly detecting and correcting for any off-spec. cigarette production.

METRIX OD



ACCURATE AND PRECISE DIAMETER MEASUREMENTS

down to micrometers or better, and low R&R

FAST AND EASY CONTROL

quick testing (within seconds), independent of the operator's skills

ULTRA HIGH PRECISION

with contact (tactile) transducers, also allowing for more measurement points over a smaller area

PRESERVATION OF THE CONTROLLED PART'S INTEGRITY

with contactless pneumatic sensors, that can also be used for on-line continuous control

UNATTENDED OPERATION

with automation, allowing operators to focus on value-added work

Switzerland - France - China - United States - India - Hong Kong - www.setsmartsolutions.com - setsmart@kep-technologies.



Setsmart is a registered trademark of KEP Technologies Group