

APPLICATION NOTE - TROUBLE PAD

<i>Business sector</i>	<i>Application</i>	<i>Product</i>
Hygiene	Paper production line	Trouble Pad

- Context:

Ontex manufactures hygiene products (adult diapers). Many production operations are carried out at high speed: cutting, folding, assembly.

- Issue:

Assembly of sheets of absorbent paper, which are constituent parts of adult diapers.

- Objective:

Ensure that the sheets remain completely flat prior to assembly of the finished product.

- Key words:

Hygiene, medical, sheets, folding, cylinders, rotation

As part of the production process, a machine is used to dispense precise lengths of absorbent paper. Technicians must ensure that the « rollers » are finely tuned so as not to disturb the conveyance of the cut sheets.

The origin of the disturbances can therefore be identified for improved quality.

Trouble Pad is able to show the sheet as it passes over the rotating cylinder. The ultra-high-speed rotation of successive cylinders can cause the band to fold back on itself... This fold is generally to blame for quality defects in the finished product.



These movements are invisible to the naked eye. Thanks to the Trouble Pad, maintenance technicians have access to slow replays of the mechanical parts as they move. The use of the Trouble Pad camera means they can identify the defect with precision in parts of the machinery that are not physically accessible.

- Conclusion:

Thanks to Trouble Pad, and specifically its compact size, movement detection enables the technicians to visualise the position of the paper band. Defect detection (folding) is thus carried out ahead of time, avoiding quality defects in the finished product.

ONTEX has been using Trouble Pad at this production site since 2018.