

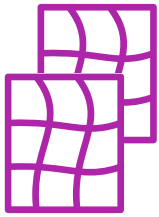
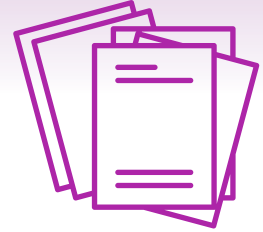
PERFORMANCE PROOF

MANUFACTURER / COST REDUCTIONS / LARGE CORPORATION

THE PERFORMANCE PROBLEM

Smurfit Kappa, a FTSE 100 company, is a leading global provider of paper-based packaging. When one of its UK sites — a maker of cardboard for sheetfeeding — faced falling demand, the plant retained Performance Solutions by Milliken (PSbyM) to focus on rapid cost reduction.

THE PERFORMANCE SOLUTION



Production of corrugated cardboard is susceptible to warping. Smurfit Kappa constantly seeks to reduce this defect to improve “run-ability” for customers, improve service performance, and reduce waste. With assistance from PSbyM, the project team identified three key warping causes:

- Moisture imbalance between the top and bottom liners,
- Tension imbalance between the top and bottom liners, and
- Corrugator component misalignment.

THE PERFORMANCE PRINCIPLES

The facility’s team collected data related to issues with specific paper grades, machine settings, and machine conditions. With help from PSbyM, the team leveraged this data to implement countermeasures that reduced the amount of warped product.

THE PERFORMANCE PROOF

PSbyM tracked the impact of each countermeasure by monitoring warp produced per square kilometer:

- **Baseline to month 1:** warp reduced by 32%
- **Month 1 to month 2:** warp reduced by 28%
- **Month 2 to month 3:** warp reduced by 45%

72%

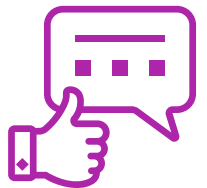
warp waste reduction

€40,000

per year hard savings

12.5%

improvement to
customer survey
results



THE PERFORMANCE FUTURE

This project is replicable to similar equipment within the Smurfit Kappa organization.

By Ian Gabrielides, Advanced Practitioner, Performance Solutions by Milliken

Are you ready for your Performance Solution?

Contact Phil McIntyre, Managing Director, Performance Solutions by Milliken,
+1-864-503-1359, Phil.McIntyre@milliken.com