

Machine film optimisation journey

Machine wrapping performance depends on more than the film alone. Film specification, wrapper settings, machine condition and process variation can all affect film use, cost and consistency.

That is why we measure the current setup before recommending a change.

We use a structured **Define, Measure, Analyse, Improve and Control (DMAIC)** process, with **Kontrol4.0** providing the data needed to establish the baseline, prove the improvement and maintain the result.

Define

Understand the challenge and agree what success looks like.

- Meet with your team to understand the current wrapping challenge.
- Agree the project scope, required outcome and how success will be measured.

Measure

Establish a clear baseline using real wrapping data.

- Install Kontrol4.0 to capture baseline wrapping data.
- Monitor current film use, cost per pallet, wrap consistency and machine performance.
- Review the baseline findings together.
- Confirm the success criteria based on the required outcome and baseline data.

Analyse

Use the data to identify what needs to change.

- Identify the causes of waste, variation or inconsistent performance.
- Develop the right combination of film, machine settings and process controls.
- Review and agree the recommended solution.

Improve

Trial the proposed setup and compare it with the baseline.

- Complete the supplier setup needed for the trial.
- Agree the trial quantities and arrange the trial materials.
- Set up and run the trial under controlled conditions.
- Measure trial performance using Kontrol4.0.
- Review the results against the baseline and agreed success criteria.

Control

Implement what works and make drift visible.

- Agree the implementation plan and the controls needed to maintain the result.
- Move to controlled ongoing supply.
- Use Kontrol4.0 to monitor wrapping performance and identify any drift.

Start with the current setup

The first step is to understand what each pallet is using today, what it is costing and how consistently the process is performing.

Arrange a machine wrapping review with Lindum.