

PERFORMANCE PROOF

MANUFACTURER / WASTE REDUCTION / MIDSIZE CORPORATION

THE PERFORMANCE PROBLEM

API Laminates, a packaging and containers company, specializes in laminated paper and board and has facilities in the Netherlands, the United States, and the United Kingdom. The company needed help from Performance Solutions by Milliken (PSbyM) to address expensive waste generated by Laminator 5, a machine producing high-value products such as Transmet, API's patented film-free laminate.



THE PERFORMANCE SOLUTION

PSbyM conducted an initial assessment and loss workshop to identify opportunities and projects based on the customer's strategy. At an API site, Laminator 5 was identified as the largest cost take-out (CTO) opportunity (zero-loss opportunity of £1,546,710). Three wastes were identified as driving 80% of overall waste from Laminator 5:



- Splice waste
- Film trimming
- Unlaminated (white) waste

THE PERFORMANCE PRINCIPLES

Several improvement principles were deployed by PSbyM to address the waste opportunity:

Focused Improvement:

Several projects attacked splice waste and trimming waste by following the DMAIC (design, measure, analyze, improve, and control) problem-solving methodology.

Continuous Skills Development:

This principle ensured training of frontline associates on new routines, establishing a consistent method that led to habitual behaviors.

Daily Management System:

The new standards and resulting performance, such as splice waste, were tracked at the production line. Layered auditing provided robust routines to prevent slippage.

THE PERFORMANCE PROOF

PSbyM changes to Laminator 5 generated annual savings of £240,500.

14%

reduction in number of changeovers that generate waste

95%

reduction of waste generated per splice changeover

16%

of machine's zero-loss opportunity captured



THE PERFORMANCE FUTURE

The practices established on the model machine are transferable to other laminator machines, both onsite as well as at other laminator machines within the API Laminates group.

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Are you ready for your Performance Solution?

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