

RECORDED BENEFITS

- No lost production from size masking events in over 6 months since OPTIX implementation
- Reduced ASA chemistry usage by 10-15% across major grades
- Reduced lag time for ASA adjustments. Smaller, quicker incremental dosage changes in real time replaced previous control strategy of waiting for dry end quality tests
- Reduced variation in ASA usage from operator to operator and from shift to shift
- Operating under OPTIX autonomous control >90% of time available

AI-Driven Autonomous Control Optimizes Sizing Chemistry and Reduces Masking Occurrences

OPTIX™ Applied Intelligence

Customer Challenge

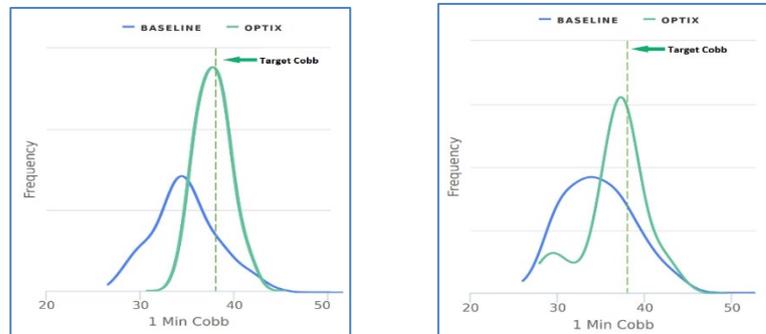
A North American recycled packaging producer was interested in optimizing ASA sizing chemistry while reducing occurrences of off quality and lost production due to size masking.

Recommended Solution

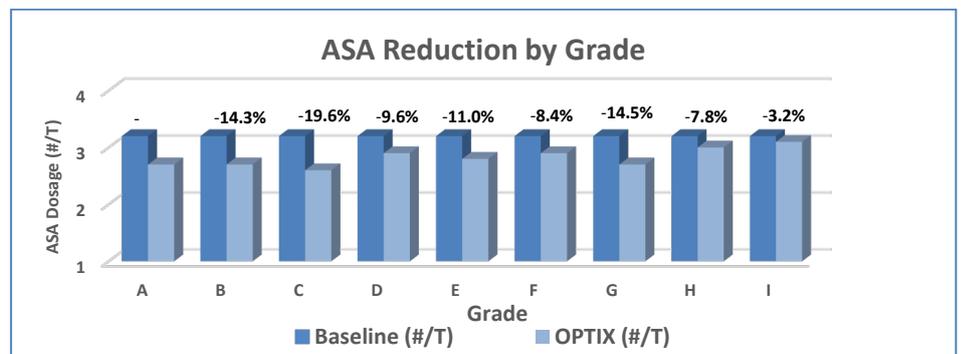
Solenis recommended implementation of OPTIX Applied Intelligence (AI), a machine-learning, predictive analytics platform with autonomous control capabilities. OPTIX generates a virtual measure of the Cobb sizing value in real-time. Utilizing AI to make data-driven process adjustments, the ASA sizing chemistry is finely tuned to drive Cobb quality to target.

Results Achieved

Over a six-month period of utilizing OPTIX autonomous control, the mill realized reduced Cobb quality variation and increased target quality adherence.



Chemical optimization via OPTIX led to a reduction of 175K dry pounds of ASA annually.



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