

## 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

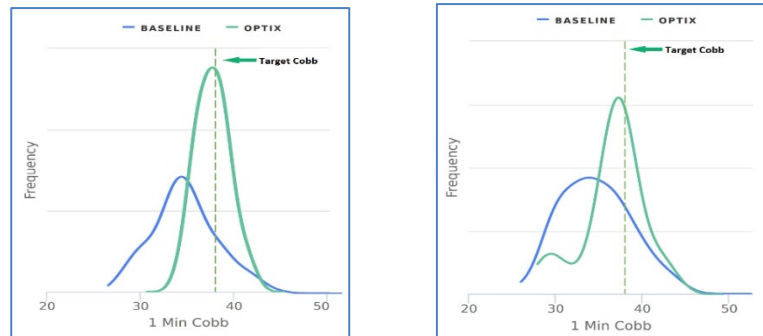
A North American recycled packaging producer was interested in optimizing ASA sizing chemistry while reducing occurrences of off quality and lost production due to size masking.

#### Recommended Solution

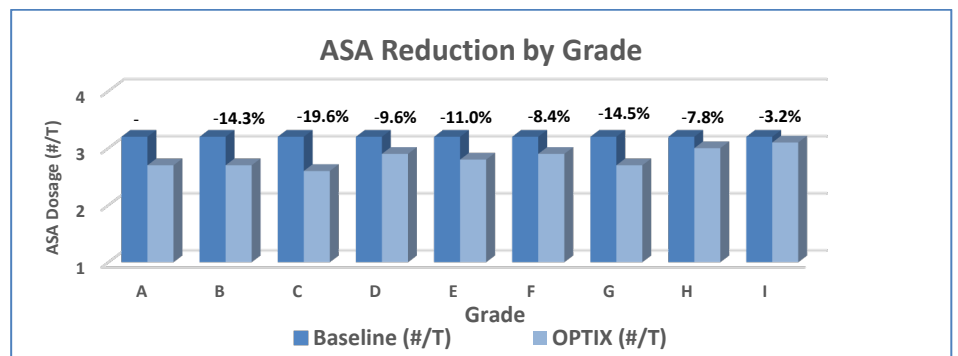
Solenis recommended implementation of OPTIX Applied Intelligence (AI), a machine-learning, predictive analytics platform with autonomous control capabilities. OPTIX generates a virtual measure of the Cobb sizing value in real-time. Utilizing AI to make data-driven process adjustments, the ASA sizing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