

# ULTRAMAX<sup>®</sup> Application Profile

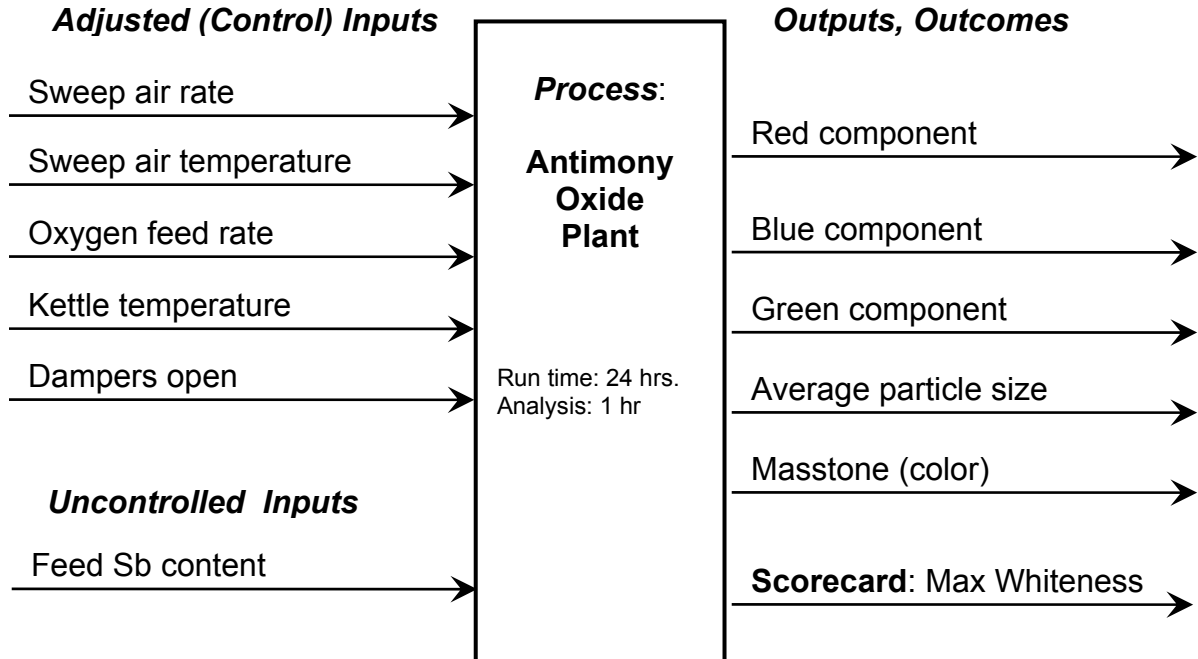
## Metals Refining: Antimony Oxide Plant

**Process:** The process fumes antimony oxide from alloy in kettles using oxygen enriched air sweep, condensed and collected in baghouse. Color whiteness is critical in meeting quality requirements.

**Objectives:** Maximize color on a whiteness scale of 0-400.

**Results Summary:** Off-spec product was reduced from 22% to 0% within 30 days and subsequently maintained high quality production. Learned much more about process and factors which contribute to variations experienced previously. Direct savings of \$100,000/year.

### DECISION INPUT/OUTPUT DIAGRAM



Optimizing the Scorecard implies satisfying constraints (not shown)