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## Case History - Heavy Oil Scrubbing System for Aluminum Foil Mill

A major aluminum foil manufacturer selected Busch to provide our new Heavy Oil scrubbing system for two foil mills. The Busch HOS system is designed to capture both mist and vapor phase emissions. The collected rolling oil is then reclaimed and returned to the mill for reuse. The scope of work included a complete fume exhaust system from duct connections at the mills thru the scrubber discharge stack. The project was made more challenging by the fact that the entire system was required to fit inside of the building in very cramped quarters.

Busch engineering provided detail arrangement drawings for construction, and installation went very smoothly. The system currently reclaims large quantities of rolling oil for reuse which is a major cost advantage. Outlet emissions are well under mandated levels.







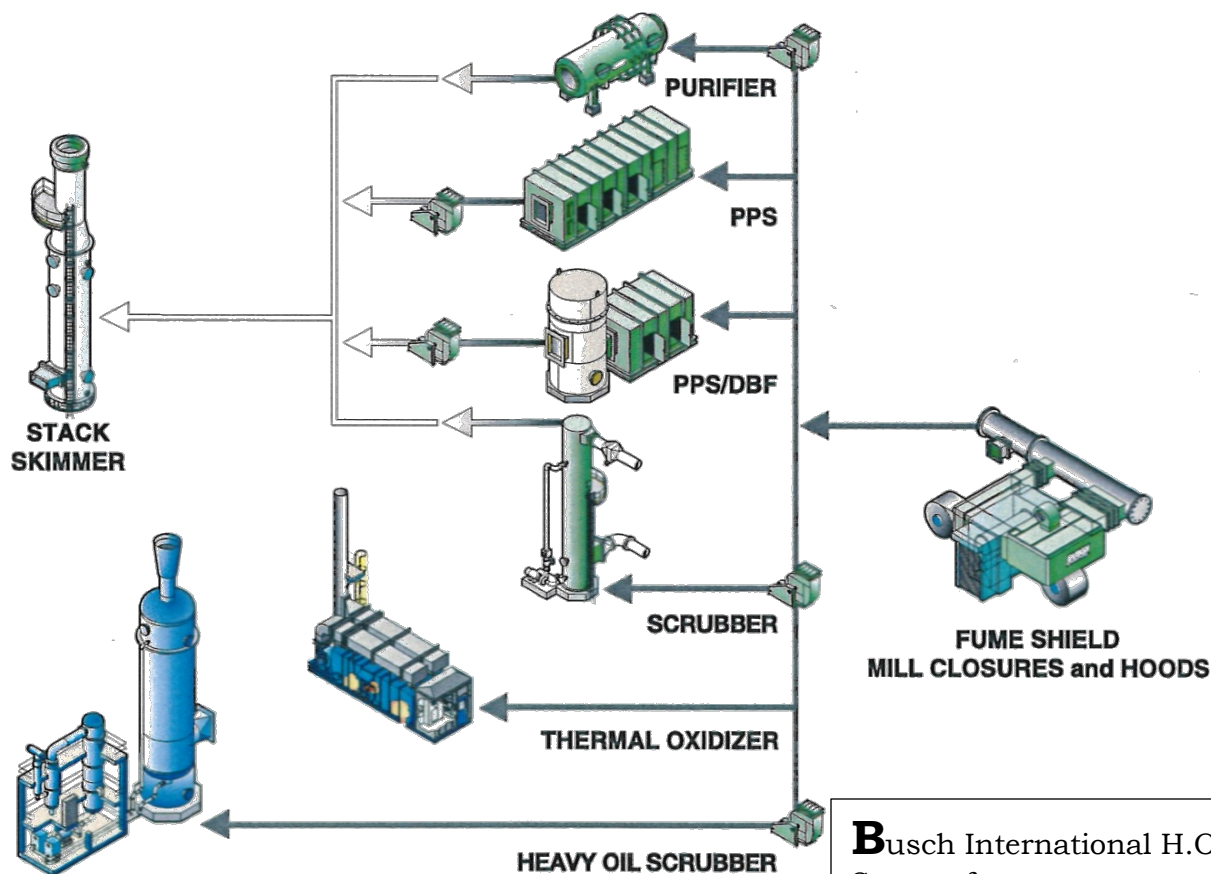
# Heavy Oil Scrubbing Systems for Rolling Mill VOC Control

**B**usch International is the leading supplier of Rolling Mill Fume Exhaust Systems in North America. We have over 250 successful installations worldwide. Busch International builds complete fume exhaust systems for new and existing mills. We offer a complete menu of oil mist and vapor control technologies to meet regulatory standards anywhere in the world. Our Heavy Oil Scrubbing Systems provide state-of-the-art VOC control and significant coolant reclamation and recovery.





# BUSCH'S EMISSION CONTROL OPTIONS



**B**usch International, working with Sulzer Chemtech, installed the first Heavy Oil Scrubbing System on a U.S. Rolling Mill In 1993. We provided several additional systems prior to Sulzer withdrawing from the systems market. Recently, Busch International has teamed with Thermal Kinetics in Buffalo, New York, to offer an upgraded Heavy Oil Scrubbing System. The system continues to utilize Sulzer internal packing and incorporates design upgrades based on existing customer feedback.

**B**usch International H.O.S. System features:

- Ⓢ Modular Distillation Module for easy installation
- Ⓢ 3-stage vacuum system with VFD control
- Ⓢ Aspen simulation performed for each unit size
- Ⓢ P.P.S. pre-filtration
- Ⓢ Complete system design



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