

# BUSCH FUME-SHIELD™

Fume Exhaust Systems



## *For rolling mill VOC emissions*

**B**USCH International takes on the toughest problems for any type of rolling mill VOC emissions with the BUSCH FUME-SHIELD system. This innovative system is based on the "4C" approach of *Containment, Capture, Conveying* and *Cleaning* VOC emissions.

To effectively *Contain* your VOC emissions, the FUME-SHIELD'S steel, aluminum and glass enclosures are tailored to your specific operation without sacrificing valuable production time and maintenance efficiency.

Designed specifically for each unique rolling mill application, the BUSCH FUME-SHIELD and Jet-Wall Hoods work to provide a highly efficient *Capture* system. A comput-

erized selection of optimum exhaust flow volumes allows for the highest possible capture efficiency.

*Conveying* liquid particulate requires unique designs. Expertise and experience in welding requirements, gasket materials and duct arrangements are provided. Components such as dampers and fans are custom-designed for liquid coolant service to insure proper operation and low maintenance. Other available accessories include isolation dampers for use with fire protection systems, pressure equalizing dampers, quick removal duct sections and ports for emission testing.

*Cleaning* fume-laden air requires careful analysis to select the most appropriate equipment. Our wide variety of technologies

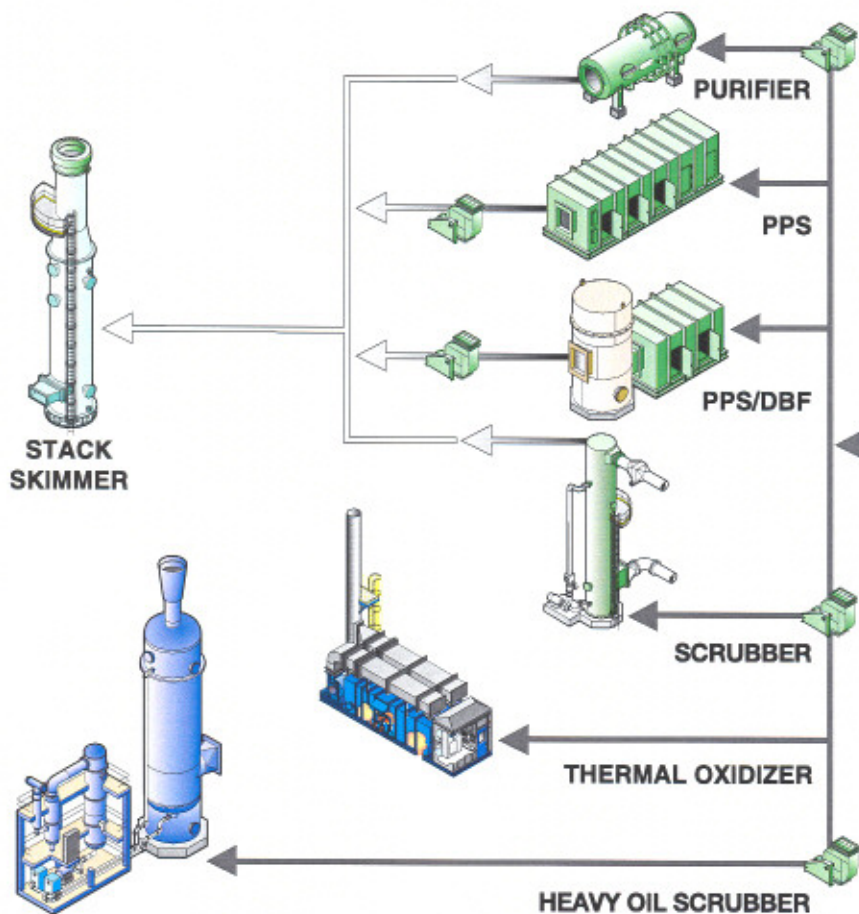
offer emissions control of both particulate and vapor phases of up to 95% efficiency for your rolling mill operation. With more than 20 years of solving the most challenging VOC emission control problems, BUSCH has many different types of technologies available.

### DESIGN AND CONSTRUCTION

BUSCH **FUME-SHIELD** exhaust systems utilize heavy-gauge, all-welded construction. Systems are available in carbon steel, stainless steel and aluminum as dictated by the application. System aerodynamic analysis and modeling are often used to enhance the collection of particulate and fume in the hoods and to reduce pressure drop within the duct system. Fans

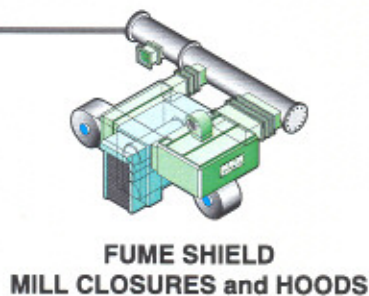
are designed specifically for liquid particulate-laden gas streams and are normally direct drive. Components of the system are modified to enhance collection and minimize maintenance. Materials are carefully selected to be compatible with specific contaminants, additives and coolants.

### BUSCH'S EMISSION CONTROL OPTIONS



Solve air pollution challenges with BUSCH's **Six Primary Control Options**, plus the added efficiency of the Stack Skimmer.

Depending on your operation, each component alone can alleviate emission control problems... combined as a team, BUSCH has no match in the industry in excellence and efficiency.



### ACCESSORIES AND OPTIONS

- Fiber glass and plastic construction
- Dry scrubbers
- Wet scrubbers
- Noise attenuation
- Power controls and starters
- Spray cleaning and drain systems
- Heat tracing and insulation
- Platforms, walkways, stairs and other access equipment



*A CECO Environmental Company*

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