

# SCALE BLASTER™

THE WATER SOFTENER ALTERNATIVE

APPLICATIONS

Steel Industry



# Steel Industry Applications

## Wastewater Transfer Lines

The **ScaleBlaster System** will control lime scale buildup in pipe lines.

## Cooling Process

The **ScaleBlaster System** will control lime scale buildup in the cooling towers and cooling water transfer pipes.

## Dust Control & Electrostatic Precipitators

The ScaleBlaster System will control lime scale buildup on precipitator plates and water nozzles.

## Rolling Plants – cooling water & water to flush impurities

The **ScaleBlaster System** will allow for lime scale deposits, biofilm and bacteria control in pipe lines and roller channels.

## Rolling Stock

The **ScaleBlaster System** will control lime scale deposits in the cooling systems and radiators of trucks, generators and locomotives.

## Equipment that will benefit

Boilers, heat exchangers, rollers, transfer lines, pumps, valves, condensers and cooling towers will all save a ton of money by operating more efficiently with the **ScaleBlaster System**.

## Savings can be substantial

Steel plants use a tremendous amount of water for waste transfer, cooling, and dust control. The plants have sintering mills, coke plants, electricity and gas for furnaces, chemical by products and chemical processes, water cooled rolls, pumps, slab furnaces, mandrels, extrusion equipment, waste water treatment, transfer lines for sludges and slurries.

Rolling plants use a tremendous amount of water to cool the rollers and flush the impurities away from the finished stock. The coolant is a mixture of oils and water that get contaminated with bacteria and must be disposed of as a hazardous waste. **The ScaleBlaster System** acts to blend the oil/water mixture and keep it mixed perfectly. Furthermore, the bacteria remain suspended in the water where it will not be able to feed and propagate. Eventually, the bacteria will die off.

Pumping energy costs rise as the pumps and lines become clogged with lime scale formations. The **ScaleBlaster System** will keep the lines and pumps clean – keeping energy costs down.

Lime scale and other deposits on boilers, heat exchangers and cooling towers are a costly nuisance in the process of energy efficiency and cost maintenance time and chemical treatment expenses. The **ScaleBlaster** will substantially add to the profitability of the plant's operation.



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