

C A S E S T U D Y

**Aluminum Feron GmbH & Co.
Germany**



OVERVIEW

For more than 70 years, Aluminum Feron has worked in the processing of flexible sheet-shaped materials, such as aluminum foils, aluminum, stainless steel and copper strips, papers, plastic foils and mats by adding lacquers, coats and printing.

WATER SYSTEM CHALLENGES

Water is used for various production processes which require cooling. The city water supplied to the factory is very corrosive and has considerably reduced the water flow within the ducts and water passages within the machine tools and cooling system.

In addition, some cooling cylinders within the production machines were covered with scale resulting in reduced cooling performance. As the equipment was designed to operate by "continuous cooling" method the use of corresponding chemicals was not possible.

SOLUTION

In 2003 a 4" ION **ScaleBuster** SB 100-16E was installed as corrosion protector on the printing side of the cooling water pump.

RESULTS

Upon installation, the rust dissolved and the ducts opened up, greatly improving the water flow efficiency within the duct system and production machines. Following the success, in the following years more ION ScaleBuster water conditioners were applied to other machines in the factory.



ABOUT THE TECHNOLOGY

The patented **ScaleBuster**® technology completely replaces traditional chemical treatment; providing control of scale and corrosion in various water process systems to create an exceptionally clean system. This dramatically reduces energy and water consumption, while reducing or, in certain cases, eliminating toxic water discharge to the environment.