

SCALE BLASTER™

THE WATER SOFTENER ALTERNATIVE

APPLICATIONS

Metal Casting & Milling



Metal Casting and Milling Applications

Aluminum foundry

Of the metals, aluminum is less tolerant of water temperature variations. Therefore, cooling is most critical. The **ScaleBlaster system** controls deposit in the cooling waters for the cooling of the molds. Production rates are dependent upon temperature controls.

Aluminum machining

Aluminum is machined for use in transmissions and other drive train components. Aluminum has to be machined more carefully than steel. It is easier to sprawl, and debris from tooling can foul up the surface much easier. It is critical to have a clean surface. The **ScaleBlaster system** will extend the tooling life and help control the difficult machining tasks.

Sheet Stock

The extruding of angles, channel stock and framing is a control of extruding dies and feed rates. The dies are cooled with a water lubricant mixture with a milky look. The parts are extruded and then drop press formed. The presses are also cooled. The hydraulic saws are then cooled and lubricated with this substance. The **ScaleBlaster system** will control lime scale deposits on the nozzles, pipes and pumps. In addition, our system will keep the substance well mixed with the lubricant dispersed in the water.

Steel / Iron foundry

The **ScaleBlaster system** controls lime scale deposits in the cooling waters for the cooling of the molds. Production rates are dependent by temperature controls.

Machine shops

There are several processes involved in machine shops. These include compression sizing, drop forge, boring, broaching, milling, grinding, turning and polishing. These procedures all require coolants, lubricants and temperature controls. The **ScaleBlaster system** will descale and keep it removed while extending the service life of the tooling in all these processes.

Machine tool coolants

Coolants are a mixture of lubricants and water. These lubricants can become contaminated with bacteria and will cause problems in the systems – which in turn can cause an “off-grade” product. Lime scale deposits will clog pipes, spray nozzles, orifices, passage ways, journals, flutes and other surfaces that need to be lubricated and cooled. The **ScaleBlaster system** will control this.

Energy savings

There will be a better lubricant action with the **ScaleBlaster system**. This will result in less waste heat to be dissipated, and less lime scale formation on heat exchange surfaces will result in lower coolant pumping costs.

Environmental issues

Environmental issues and the “going green” movement in the world today is more important of an issue than ever before. **ScaleBlaster** is the ideal environmental product while saving your company a ton of money at the same time.



THE WATER SOFTENER ALTERNATIVE