

SCALEBLASTER[®]

WATER CONDITIONER

Sustainable Solutions to Hard Water Problems

APPLICATIONS

CLM-541

Optical Industry



Optical Industry Applications

Lens Grinding

The **ScaleBlaster system** will take care of lime scale deposit control on the grinding wheels – suspension of ground particles in the cooling fluid solution. Lenses are ground with precise use of abrasives to achieve the various measurements which will produce the vision correction desired.

The wheels that are used are water cooled, and the particles released from the process can scale up the equipment. Those small particles may clog up the wheel, causing major problems. The work surface can become plated with residue and the cut can be less than desired.

Lens Polishing

Suspension of contaminants in the cooling water

Removal of the contaminants from the work area

Optical manufacturers employ various grits and polishing compounds. These can be silica's, zirconium oxides, titanium oxides and other abrasives. The surface is flooded and the abrasive is used in a precise manner. The work surface is examined frequently to determine progress during this phase.

Each flooding can introduce new levels of contamination. The **ScaleBlaster system** will place the contaminants in suspension, removing them from the work arena.

Why Optical equipment cleanliness is critical

Optical lens manufacturing equipment must be kept clean very critically throughout the lens production process. Ensuring the accuracy of data acquired through manufactured microscopic, telescopic, spectrographic and other optic devices like these is of the highest priority in the optical industry.

Agents and detergents used in optical lens grinding and cleaning often leave residues and can also contain abrasive substances that could damage glass or quartz surfaces as well as cause pitting in the product molds. Even when water is used in place of chemical agents, the particulates and contaminants often found in water can cause some of these same problems. This will negatively affect the overall production process, the lifecycle of the production equipment production costs, and the quality of the end-product.

You can reduce the dependence on chemicals and enhance the ability of water to do the job by adding the **ScaleBlaster system**. By using **ScaleBlaster**, the chemical-free, highly efficient and extremely cost effective system, your manufacturing processes and fluid delivery infrastructure will be as cost efficient as possible.

Environmental issue

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



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ScaleBlaster.com
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