

# Success Story

Application: Cooling Tower

Industry Classification: Automotive



**Background:** An automotive supplier of interior door panels was experiencing problems related to significant ingress of debris into its cooling tower. The debris was due to on-going construction of the facility as well as nearby development projects.

The plant had installed "Y" strainers prior to each of its moulding machines to protect cooling jackets and cooling manifolds from blinding with debris. The manufacturer was continually cleaning the strainers, which contributed to machine downtime as well as increased labor costs that led to the decision to install an automatic filtration system. Full flow filtration was recommended in order to fully protect the entire circuit.

**Solution:** A four pod, System 2000 was installed. The system is filtering the plant's entire flow and is protecting the molding machines and a small chiller plant, plate heat exchanger, and air compressors. Due to plant expansion, and an increase in demand for water, the filter's flow rate has increased.

Application Details:

Flow Rate: 1,200 gpm  
Micron Rating: 125 micron

Filter Specifications:

Filter: System 2000, 4 pod  
Clean DP: 1.5 PSI

**Results:** The filter unit has operated without downtime for over two years. During this period, the "Y" strainers, while still installed, have not been cleaned, and maintenance of the cooling water has been significantly reduced.

**Date:** July 17, 2000