

CASE STUDY

Siltbuster make robots feel Cool !

Industrial Process Pumps Ltd. are the term contractor for a leading Japanese car manufacturer with a production facility in the Midlands. The complete manufacturing facility includes press and weld shops, paint, plastics, engine and assembly plus a comprehensive control facility.

In the weld Shop, both large and small body panels are brought together to form larger assemblies eg. doors, ultimately resulting in a complete body shell. Robots carry out 90% of the welding. The welding tips on the robots are water cooled and can reach up to 800 degrees during welding.

An ongoing issue at the site is that solids build up in the closed loop water distribution system for the factory can block the water passages of the robotic welding tips. They have to be changed manually and in doing so interfere with the production cycle.

During a two week Summer 2003 shut down, when the weld shop was off line, the client flushed the cooling water pipeline through a Siltbuster to trap the solids. The Siltbuster performed well and as a result the Client has asked Siltbuster to work up a design for a permanent installation to treat the water on a continuous basis whilst the weld shop is operating.



As a result of a two week hire of a Siltbuster, the Client has asked for a permanent installation to continuously treat cooling water