

Extrusion Water Bath Cooling

When a plastics extrusion customer of guttering for commercial and domestic applications had a requirement for a water bath to cool extruded plastic, they turned to ICS Industrial Cooling for the best solution.

Project

The processes carried out on site needed to allow the product to be fed through a water bath to cool the plastic directly.

As the water was to have direct contact with the final product non standard additions were required to filter the water to avoid contamination of the water in the chiller circuit.

Equipment Supplied

ICS supplied the customer with a standard **FOCS CA 1702** and fitted a non standard filter to the chiller circuit to avoid any contaminating damage to the chiller. The unit supplied **420kW** of cooling in conjunction with a **flat bed free cooling coil**.



The Free Cooling System on site



The Filtration System

ICS Solution

The installation was a complete turnkey project including spin clean fully automatic disc filter system.

The filter itself was supplied with 50 micron filtration discs these are then back washed on pressure differential, creating a highly efficient system.

Following the completion of the project a maintenance contract was also set up to maintain the system.

The energy benefits associated with this project allowed the customer to qualify for an energy efficient loan from the Carbon Trust. The loan covered the full project cost.

Speak to ICS today about an energy efficient solution for your project. Where equipment qualifies for Carbon Trust funding, ICS can help you with your loan application. Call us free on **0800 169 3861** to find out more. Or contact us locally on one of the numbers below.

