

KINGFIELD ELECTRONICS

CHESTERFIELD (UK)



A Derbyshire electronics firm is no longer counting the costs of keeping cool, after installing an evaporative cooling system that allows them to keep servicing clients in the face of sweltering temperatures. Kingfield Electronics specialise in providing world class Contract Electronics Manufacturing (CEM) solutions to companies operating in a variety of high reliability, high quality, function critical market sectors.

Kingfield required cooling to reduce internal temperatures from more than 30°C in the summer (even when the outside temperature was 15 degrees lower). The micro-electronics manufacturer decided to install five Breezair TBS580 Evaporative Coolers and the inside temperature dropped to more comfortable working conditions of 20°C.

While the aim was to reduce the heat load within the factory, the management quickly realized that the product's ability to reach the right level of relative humidity had other very significant impacts on their operations. In fact, higher humidity in the air minimized electrostatic discharge during manufacture, which lessened component failure during assembly.



"We are glad we discovered an efficient cooling system such Breezair, which helped us improve the working conditions inside the plant, reducing running costs at the same time," said Mr Darren Dooley, Production Manager at Kingfield. "We are keen to grow our business and install more electronic assembly machines: if this happens and we need to install additional coolers, we will be sure to opt for Breezair."

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