



APPLICATION NOTE

JetStream: Saving time and money

Problem

Customer: Big Bear Plastic Products Ltd

From children's slides and sandpits to industrial packaging and caravan panels, Big Bear Plastic Products Ltd is at work 24/7 manufacturing a huge range of products for a wide variety of industries.

Benefit: JetStream ionising air knife systems installed at the Big Bear factory have helped improve quality, productivity and profitability.

Case Study: When Big Bear reviewed their working practices a number of areas were identified where procedures could be made more efficient and the quality of product preparation improved to reduce reject rates. One area targeted for improvement was the company's large CNC machine, used to trim two caravan panels simultaneously. Swarf cuttings left by the rotar head were having to be removed manually. This was extremely difficult and time consuming as the cuttings had high levels of static charge. Consequently, as soon as the cuttings were rubbed off the panels, they were attracted again by static.

Solution

Case Study Continued: Meech engineers were called in and advised that two JetStream systems would solve the problem. The JetStream ionising air knife systems neutralised the static charge on the panels and the cuttings simply fell to the floor.

Big Bear were so pleased with the results, they purchased another system to address similar problems they were having with contamination on blank pieces of plastic going into their rotary termoformer, the largest in Europe. The installation of the JetStream system solved both the quality control and process time problems that the company previously faced.

Now, thanks to the JetStream systems, contamination is no longer a major quality issue. Installation of the systems has saved the company both time - in terms of less man-hours to complete the processes - and money in terms of no compressed air and fewer rejects.

Works Engineer, Big Bear Plastic Products Ltd

Fig.

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Photo courtesy of Bailey of Brix

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