

### JetStream: Boosting productivity

#### Problem

Customer: RPC Containers

The RPC Group is Europe's leading manufacturer of rigid plastic packaging and is unique in offering products made by all three main conversion processes, blow moulding, injection moulding and thermoforming. The company has over 40 autonomous sites in 12 countries, employing more than 6,500 people.

Benefit: RPC Containers needed to improve productivity on their container print line. A JetStream ionising air knife system helped them surpass their aim.

Case Study: Using injection moulding techniques, RPC Containers in Oakham, UK manufacturers open top containers for food and industrial markets. Products include food quality buckets and plastic paint cans and pails for international names such as Histor and ICI Dulux.

Once moulded, the containers are transferred to the print finish line where they are decorated according to each customer's exact specifications. It is here that a JetStream system, housed in an enclosure, has been installed to improve productivity. RPC needed to reduce the frequency with which the line had to be stopped to clean the printing blankets. Stoppages were occurring as often as 12 times per hour and were caused by dust contamination which meant that the paint would not apply properly to the containers.

#### Solution

Case Study Continued: JetStream solved the problem immediately. The JetStream system blows a stream of ionised air over the containers, neutralising the static charge and removing contamination from the surface, allowing perfect print finish results. Free from static, the containers no longer attract dust. The contaminated air is then extracted from the enclosure and passed through an inline filtration unit before being re-circulated through the JetStream ionising air knives.

"Results have been dramatic. Since the installation of the JetStream system we have seen a significant drop in the number of times we have to stop the line. It has certainly helped to improve productivity and has made the whole process more efficient."

Senior Development Engineer, RPC Containers Ltd

Fig.

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