

Cooling Blow Mouldings

Meech Air-Tec Air Curtains

Problem

A plastic container manufacturer was suffering major problems when removing the flashing from the leading and trailing edges of recently moulded containers. The containers are on a step conveyor approaching a guillotine (as pictured) where the flashing is to be removed. The problem occurs because of the heat retained in the containers from the previous moulding process. As the guillotine slices across the flashing it causes the container walls to collapse resulting in three problems: • High Reject Rates • Loss of Profit • High Customer Dissatisfaction

Solution

Meech Air-Tec Air Curtains deliver a high volume of compressed and ambient air operating at 80psi (5.5 Bar). The Meech Air-Tec Air Curtain entrains a large amount of ambient air which is sufficient to cool the containers. This has allowed the clean removal of the flashing whilst preventing the possibility of the container walls collapsing. A Meech Air-Tec Air Curtain has the potential to give a 25:1 air amplification.

Fig.



Fig.

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