

# Applications

## PACKAGING APPL CAT ON PROF LE PETERING MACHINE APPLICATION SHEET



**During the** manufacturing of profile extrusion, large static charges are built up in two areas. Firstly, as the material cools, the molecules inside the profile will rub against each other causing static to generate. Secondly, as the profile passes across rollers or guide channels, this creates friction which will generate a static charge. This charge will create an electro magnetic field which will attract airborne contamination from the air on the product.

**After cutting,** the profile will attract the swarf from the saw which is difficult to remove. This will cause damage to the profile during packing, down time due to cleaning and reduce productivity.

**By positioning** two (one either side of the profile) PULSElectronic air boost bars after the saw, you can neutralise the profile while blowing the swarf off. The air boost bars should be positioned so the air is blowing against the direction of travel to ensure a clean profile prior to packaging.