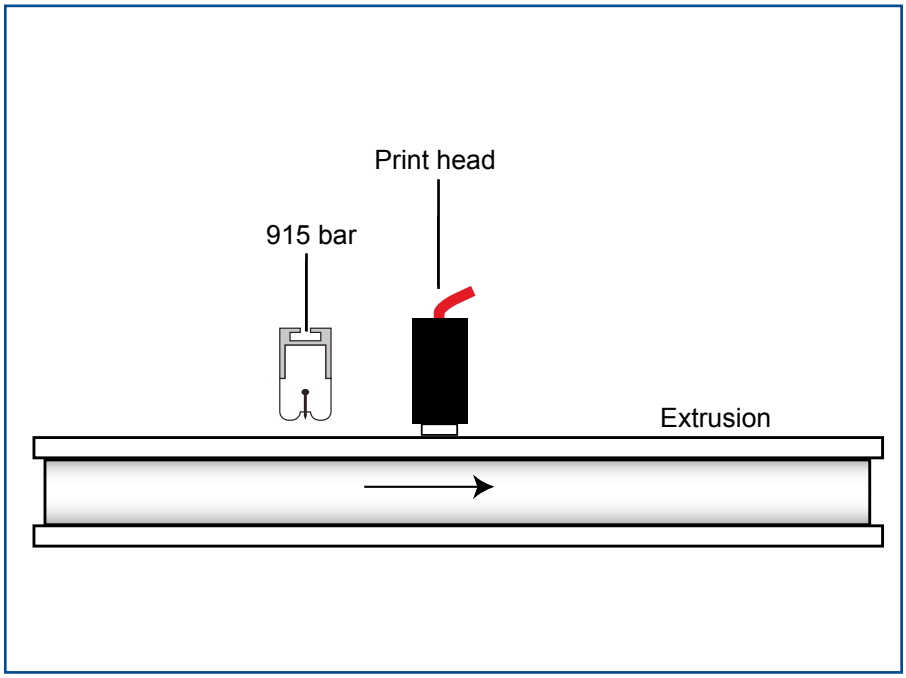
uPVC Profile Extrusion Inkjet Printing

915 Ionising Bar or 940BE Nozzle

Problem

High voltage static charges generated on uPVC profile during the extrusion process present a number of problems for ink jet printing systems:

1. Attraction of dust to the surface being printed.
2. Deflection of the ink jet, resulting in poor print quality.
3. Over attraction of ink, leading to feathered edges.
4. Electronic failure of ink jet printing equipment.
5. Contamination of the directional deflector plate leading to lost production time due to cleaning.



Solution

The positioning of a powerful Model 915 ionising bar prior to the print head will neutralise the static charge and ensure:

- No dust attraction.
- Improvement of print quality - eliminates feathering and ink deflection.
- No electrostatically generated electronic failure.
- A clean direction deflector plate - reduced cleaning and improve productivity.

The same principle will apply to other chargeable surfaces which require ink jet printing.

NB: A Model 940BE nozzle can be used as an alternative to a Model 915 ionising bar.

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