

Sheet Feeding Station

957 Ionising Curtain, 942 Blank End Nozzle & 915 Ionising Bar

Problem

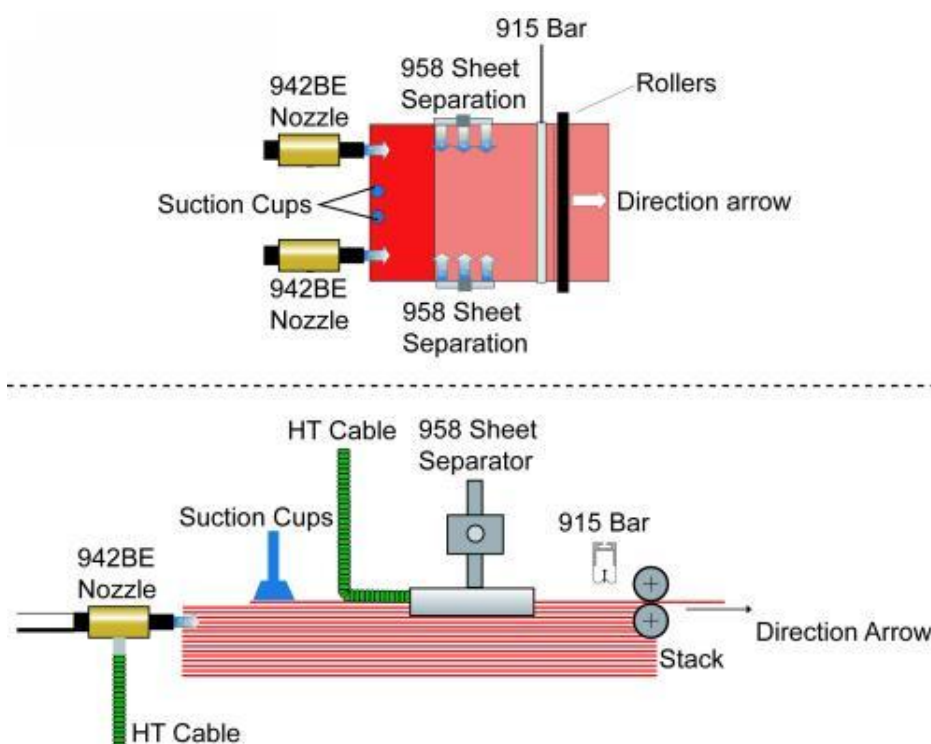
A technically advanced high speed (e.g. 1500 sheets per hour) offset printing machine can produce very high static charges on coated label paper. This can result in the following problems:

1. Sheets will not feed at speed.
2. Sheets stick together.
3. Mis-registration.
4. Sheet jamming.

Solution

The careful placement of two 957 ionised air curtains at the sheet sides maintains a constant stream of ionised air between the top sheet and the stack, preventing sheet adhesion. Two 942 in line ionising nozzles inject a pulsed blade of air between the top sheet and the stack from the stack rear pick up head. The ionised air blades are sequenced with the sheet pick up operation. The Model 915 bar placed at the end of the stack before the feeder rolls neutralises the entire top surface of the sheet. Note: For more difficult materials the Model 942BE's should be replaced with two Model 958 Sheet Separators.

Fig.



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