

Static Electricity causes severe problems throughout the packaging industry, including wrapping, printing and labelling. Coding and Marking is one of the biggest areas. Many types of product are marked - including plastic bottles and containers cans, food, consumer goods, confectionery, toys, IT equipment and many others.

Inkjet Marking and Coding

The static charge on plastic products, or products wrapped in plastic film can distort the ink pattern which comes out of the printing head. This causes rejected products due to incorrect or un-readable marking.

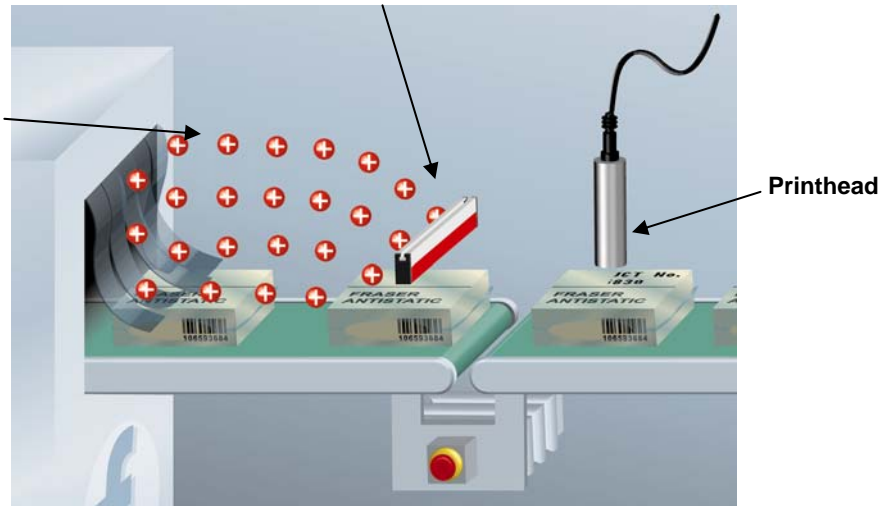
It can also form into an electrostatic discharge which can damage the electronics in the print head. A new printhead costs hundred of pounds plus the cost of an engineer to install and test it.

These problems can be overcome by installing a 1250-S Bar as shown below. If there is variation in the size of the product - the 1250-S Bar can be positioned up to 100mm from the smallest product. If this distance is not sufficient to cope with the different product sizes, the position of the 1250-S Bar should be adjustable.

1250-S Bar neutralising the static charge immediately before the printhead

Electric Field

The electric field from the static charge in the product interferes with the image printing and can also cause a static discharge which destroys the electronics in the printhead.



The printing can be on the top or the side of the product, as shown in the photo above.