

SOLUTIONS TO STATIC PROBLEMS PRINTING LAMINATING

Numerous static issues are encountered when applying protective optically clear self adhesive lamination film to the printed face of a graphic display board, they include the attraction of contamination which becomes sandwiched between the graphic board and the protective film.

In addition repulsion of both surfaces can lead to air bubbles also being trapped between both layers. Where static attraction between both surfaces occurs it is often difficult to place both surfaces together without creasing, folding etc.

At the nip the point where the release backing web is peeled free from the lamination film, huge static charges are generated leading to the attraction of contamination to the glued side of the film well before both surfaces meet up for laminating. Often as laminated board is hauled out from the laminating head along the lay up table operators receive large static shocks.

By neutralising both the film and graphic board before lamination occurs many of these issues are immediately eliminated, the nip is a very important position to neutralise. Standard 1250 ionising bars can be used in close proximity to the critical areas or long range 3D coverage can be achieved using lonstorm bar(s).

A long lonstorm bar can be used over the haul off table to prevent operator shocks. Where such tables are used on a mounting machine, the laminating head moves along the table whilst the backing release sheet is manually removed, the lonstorm bar will prevent all of the static issues normally encountered in this process.

Before commencing lamination with a mounting machine, it is advised to pre-clean and neutralise the graphic board surface with a 4110 Ionised Air Pistol.

