

In Use – 1

Static Eliminators

Help Speed Presswork and Folding

Application to sheetfed presses to follow success with web

Use of static eliminators for multi-product printing runs on lighter-weight papers is resulting in a 20 to 30% increase in production for one Wisconsin printer.

Specializing in publications, the printing company produces its own periodicals in the railroad and camping fields, several outside magazines and other special publications. The publications are printed on a Goss web press with a 34 1/2" cut-off and 46 1/2" maximum width. Operating at 1,000 feet per minute, the press prints up to 32 pages on 40 to 80-lb. bookweight publication stock.

Neither air-controlled nor humidity-controlled, the printing plant previously experienced problems with lighter weight, multi-product signatures sticking together because of static – particularly in the wintertime.

"The lead time of paper to press is often short in our plant because of a lack of storage space," explains the plant manager. "Dry, cold weather causes static on 40 to 50-lb. papers, making four and eight-page printed signatures stick together in the folder. This slows down jogging and limits the speed of the press."

To solve the problem, the company installed an alpha-energy source (nuclear) static eliminator bar on each of the two outfeeds of the Goss folder. Mounted in brackets directly above the signatures as they leave the folder, the eliminator units remove static from the forms and prevent them from sticking together. Completely portable, the units are easily mounted and can be removed at any time.

"Previously, we might have had to use as many as four joggers on a four-page, 45-lb. signature," says the plant manager. "With the eliminators, we only need two, plus a little help from a third. Overall, through such economies and increased production, the eliminators paid for themselves very quickly."

The printer also uses two induction-type static eliminators on printing sections of the Goss press to eliminate the possibility of pressmen receiving static charges or shocks from the press.

Obtaining two more static eliminator bars for a new 28" x 42" four-color sheetfed press is in the works. In the meantime, the firm is using its present eliminators interchangeably on the Goss press and the newer press. Since the eliminators require no cords or wires and can't generate sparks, they are recommended for use even in highly volatile plant areas.

Quick Cross - Reference

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Controlling static on a moving web



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