

White-Paper-Solutions

Optimized production processes

kernMail



The Kern 996 high-speed cutter automatically detects white paper zones and systematically cuts them out. This optimizes further processing and increases efficiency.

Fanfold inkjet printers are ideal for mastering all the different mailing process requirements. Their decisive advantages over fanfold laser printers (color brilliance, cost, customized flexibility) make them a popular choice.

Due to technological complexities, unprinted and unformatted white paper documents are produced between print jobs or in case of interruptions. This is a challenging problem for inserting systems handling "continuous mailing jobs" from the roll.

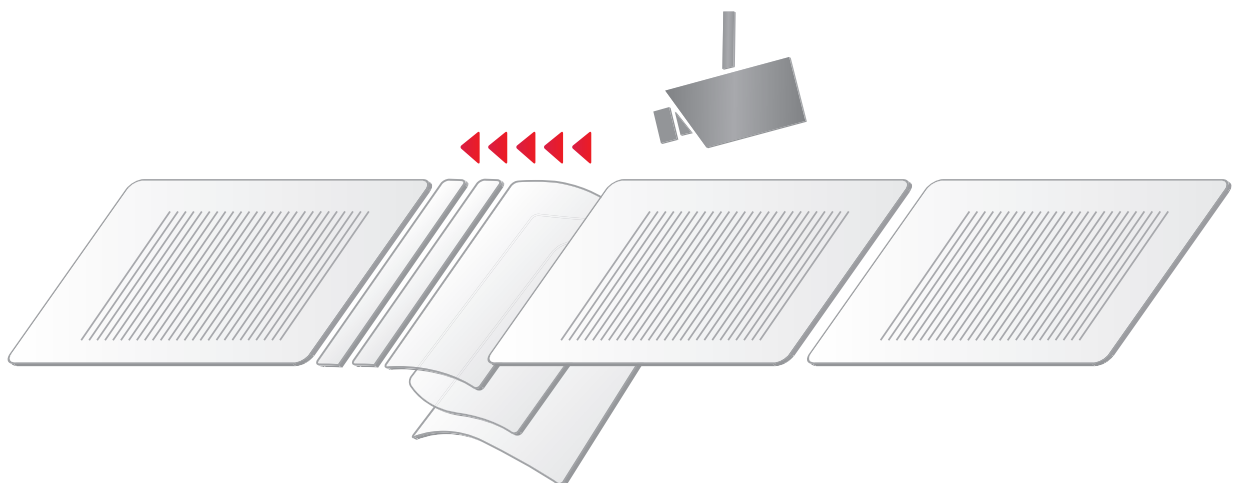
The Kern 996 high-speed cutter masters this challenge by automatically processing white paper zones in continuous documents – without requiring manual paper removal and reinsertion. Kern offers customized or standard solutions for all white paper zone processing, depending on customer's requirements.

Features

- High efficiency: automation drastically shortens downtime per print job for white paper zone processing.
- High economy: the system automatically differentiates between printed zones and white paper zones. Thanks to automated white paper zone deviation, the result is cost saving elimination of manual removal, cutting and reinsertion.
- Greater processing safety: manual handling is reduced to a minimum.
- Minimal rejects: nothing unnecessary is processed.
- Highly efficient system combination: high-speed cutter, inserting systems and printing module ideally matched to each other.

Our Services

- Personal consulting on site
- Requirement analysis
- Working out an optimal solution
- System integration
- On-site training of your employees
- Comprehensive support during the operational phase



Detail information **White-Paper-Solutions**

Differentiation

Zones which are not printed with live data can be classified into three different categories:

Leading and trailing sheets

- These sheets are formatted, can be synchronized and have specific reading information.
- They usually mark the beginning or the end of a job and specific reading improve machine handling.

Blank sheets

- These sheets are formatted and they can be synchronized. However, these do often contain a form; have no specific content and no reading information. All of Kern's continuous feeds allow processing of blank sheets.
- Just like leading and trailing sheets, these are usually divert to a target bin.

White-Paper-Zones

- These white-paper-zones are mostly unformatted. They cannot be synchronized and they do not contain reading information.
- The lack of these three characteristics significantly complicates fully automated processing. White paper zones occur mainly with inkjet printing systems and they can reach a considerable length of up to 40m.

1 Detection of the white paper zone

Thanks to its newly developed processing software, the Kern 996 high-speed cutter detects the length of the white paper zone and knows how many documents have to be cut out, according to format.

2 Deviation of the white paper zone

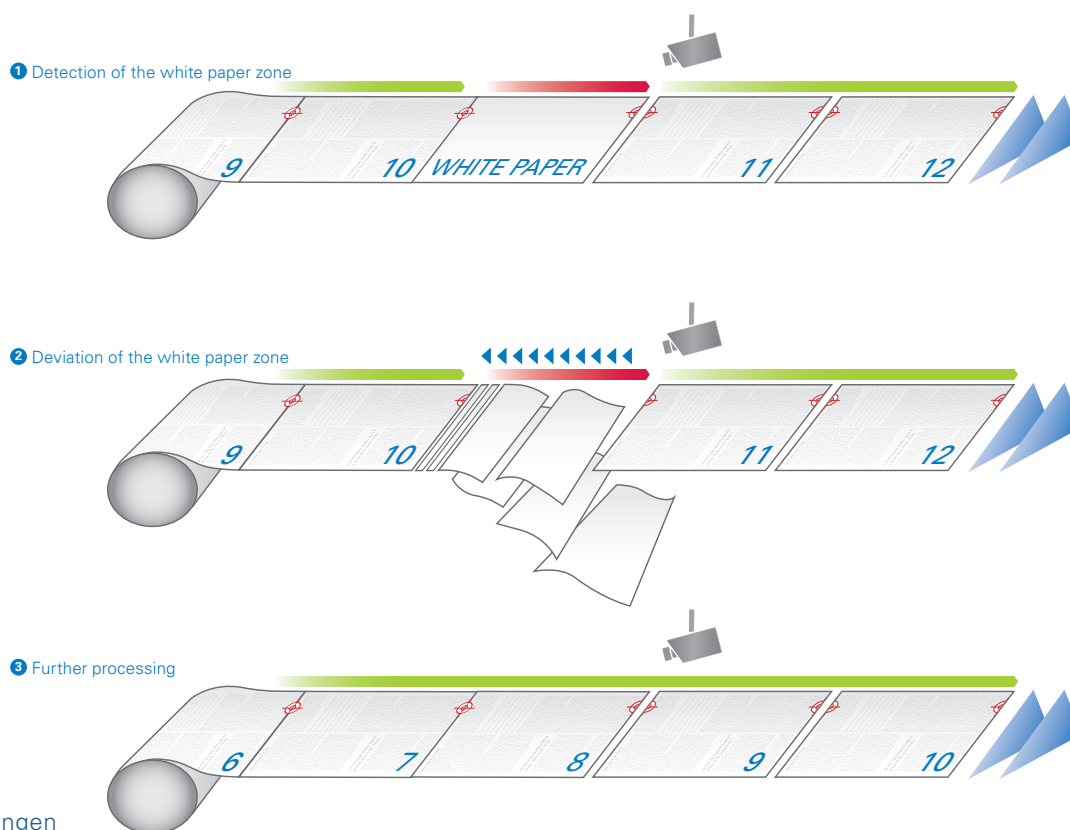
Any unformatted document residue in the white paper zone is cut out in suitable strips until the cutter can resume

processing at the correct point, i.e. at the cutting mark of the next document. Processing takes place in the opposite direction to printing.

The great advantage for the user is that white paper zones are processed without any inconvenient manual operations. A clearly structured menu on the operating panel guides the user step by step.

3 Further processing

With the optional grouping and diverter station GT, document cutouts are led straight to the waste bin. If the Kern 996 high-speed cutter is used without the Kern 996 grouping and diverter station GT, documents are processed normally and led to the checking tray on the inserting machine.



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