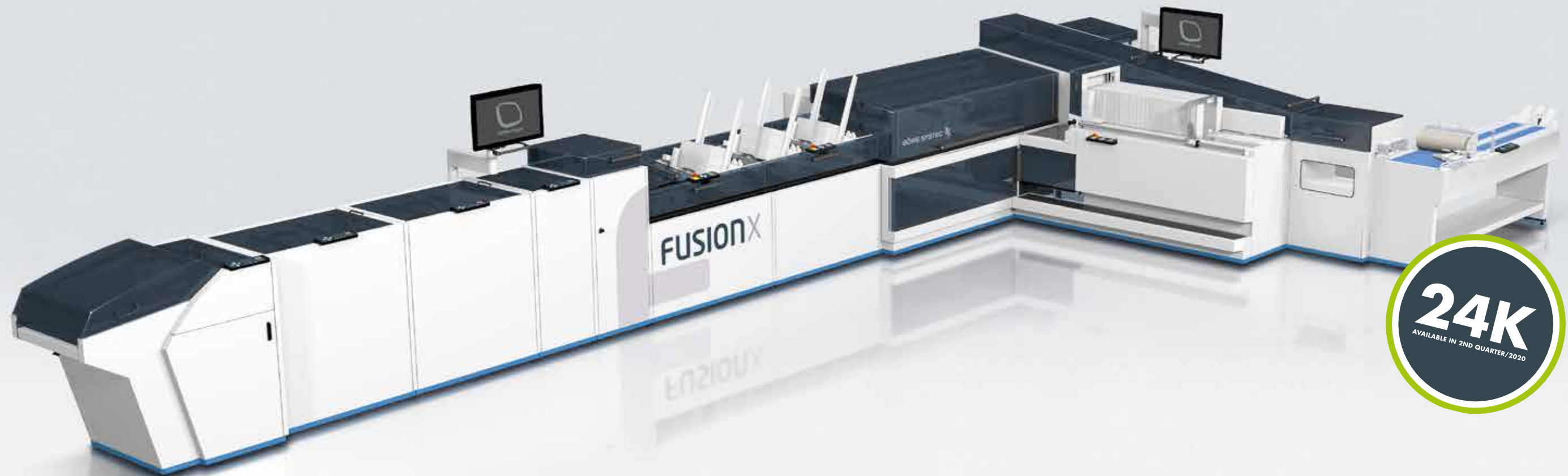


One system for all applications



B6+→B4
#7 3/4→Flats



15 mm/0.59"



100,000 sheets/h



24,000 env/h



≥ 1 channel

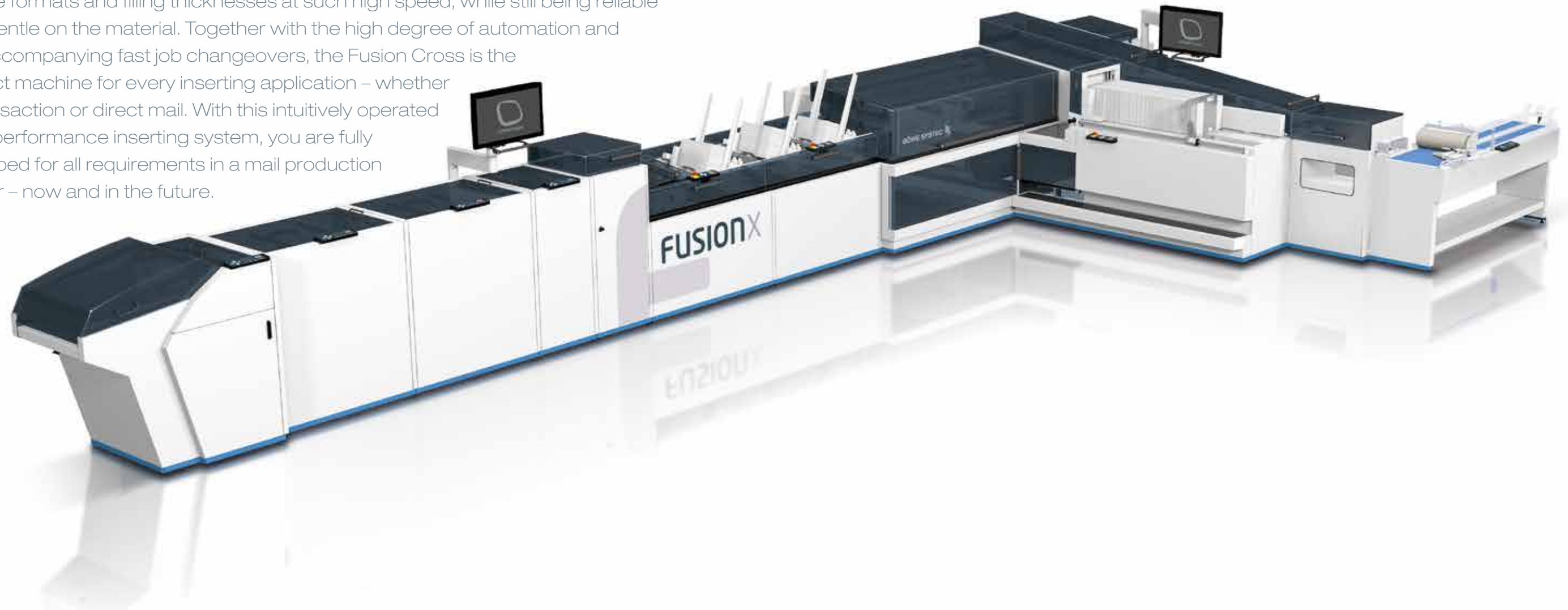


15 mm/0.59"

FUSIONX

A revolutionary approach to inserting

With the introduction of Fusion Cross, a new era in inserting technology has begun. No other system is as flexible or handles such a wide spectrum of envelope formats and filling thicknesses at such high speed, while still being reliable and gentle on the material. Together with the high degree of automation and the accompanying fast job changeovers, the Fusion Cross is the perfect machine for every inserting application – whether in transaction or direct mail. With this intuitively operated high-performance inserting system, you are fully equipped for all requirements in a mail production center – now and in the future.



Flow-Principle for gentle treatment of materials with safe processing and with the highest output



Broadest format and filling thickness spectrum, including C4, Flats and Stretch in the high-performance segment



A wide variety of feeder technologies and the open device carrier concept offer the **highest degree of enclosure flexibility and investment protection**



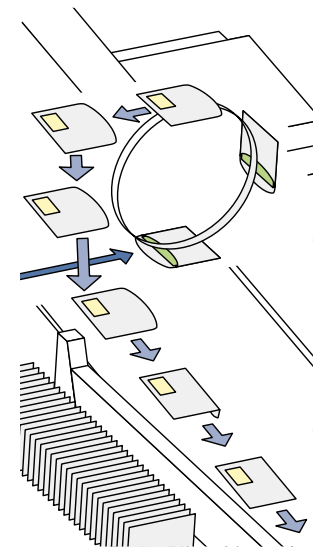
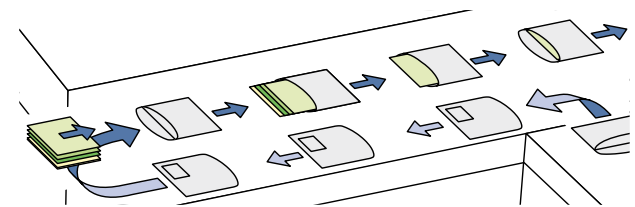
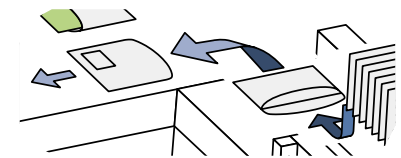
Single Machine Type Strategy (SMTS) – a single high-performance inserting system for nearly all applications

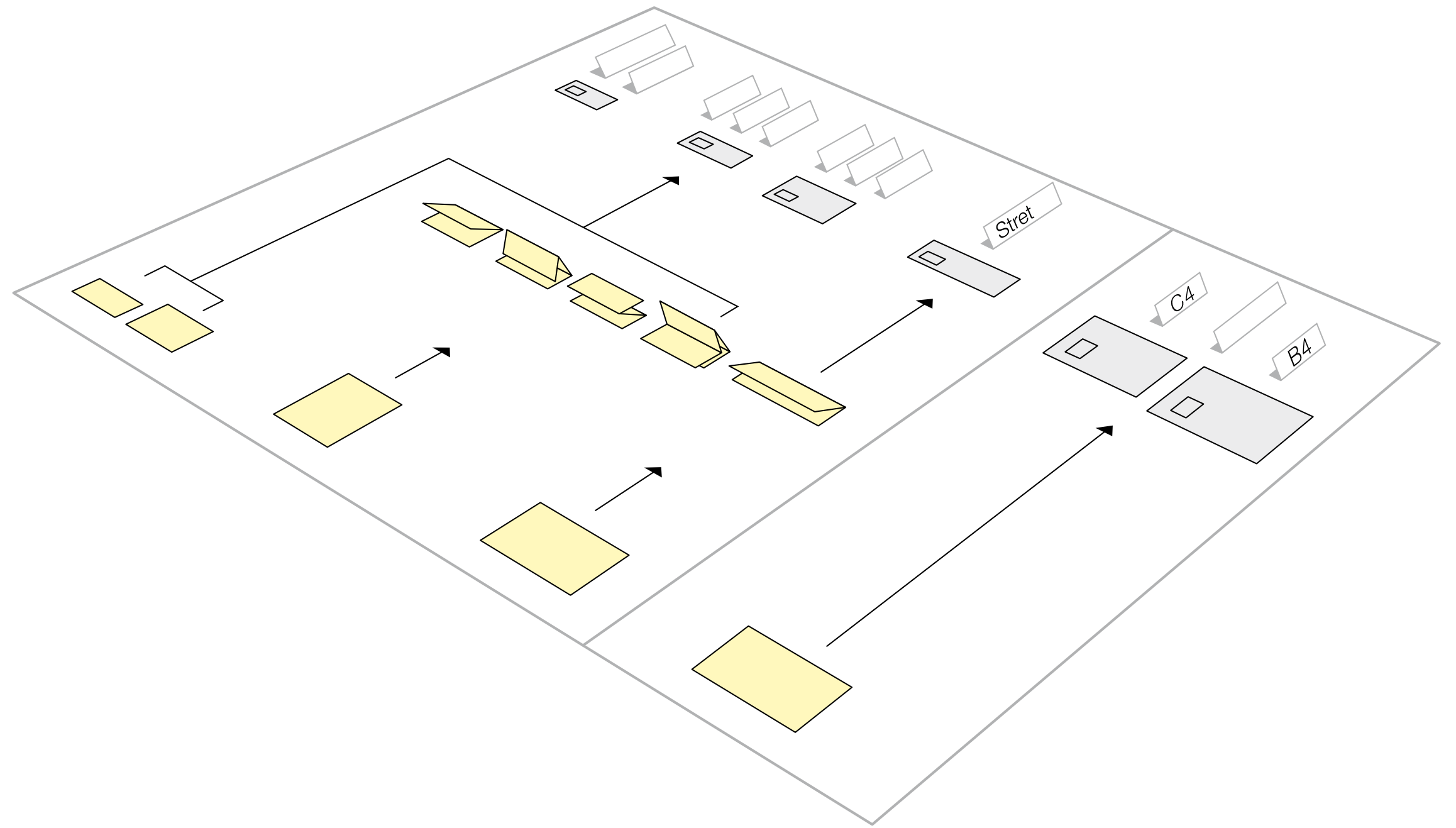


Self-explanatory, **easy and intuitive operation** thanks to BÖWE Cockpit



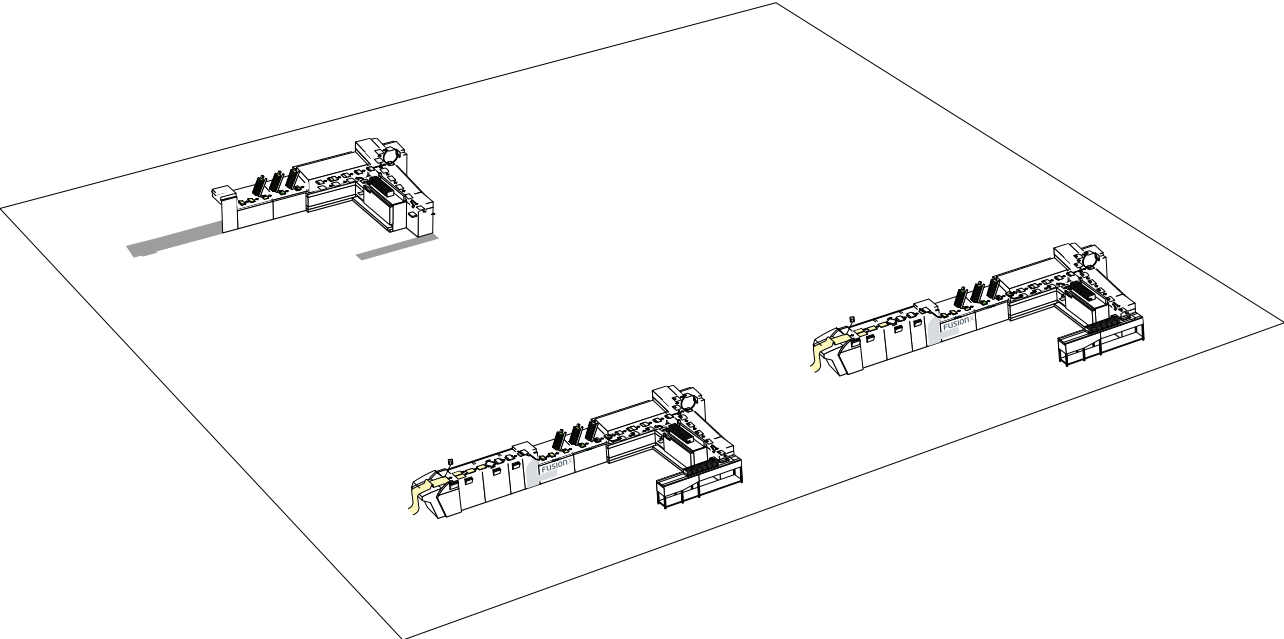
Universal **modularity and a multitude of options** allow for **a high degree of automation** in the production process





Thanks to the open device carrier concept, enclosure feeders can be arranged and exchanged as required

The autoloader increases the stacking capacity of the enclosure feeder



BÖWE Cockpit

Smart man-machine interface

With its completely new user interface, Fusion Cross can be operated easily and intuitively. State-of-the-art touchscreen displays assist in user guidance. An interactive help function supports in set-up and troubleshooting. Setting up new applications is simplified by material descriptions and recipes which are composed of pre-defined material modules. The machine also adapts itself, to the greatest extent possible, to the materials being processed. The standard BÖWE Cockpit for Fusion Cross consists of three apps: System Operation, Recipe and Report.



BÖWE Cockpit System Operation guides the user through job processing. An intuitive and virtually text-free user interface guarantees a user-friendly experience. The help function offers visual support to assist in manual loading and troubleshooting.

BÖWE Cockpit Recipe assists the user in describing the material to be processed in order to prepare the system for the actual production process. Recipes consist of pre-defined material modules (e.g. documents, enclosures, envelopes).

BÖWE Cockpit Report for job and system reports.



BÖWE Cockpit Recipe simplifies the system set-up

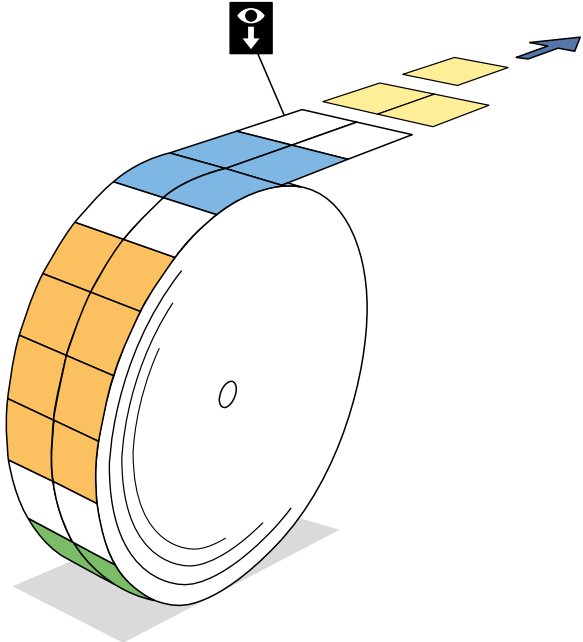


BÖWE Cockpit Report for detailed production analysis

Processing small and manifold jobs profitably

Printing and mail-handling service providers know the problem: printing and inserting applications are becoming more individual and more varied, and individual jobs are becoming smaller as a result. This means more set-up time stops and longer downtimes for inserting systems, resulting in lost productivity and revenue. In addition, manual processes make production more complex and cost-intensive and increase the susceptibility to errors. BÖWE SYSTEC has developed a software that automates these processes and turns the time-consuming processing of variable small runs into profitable high-performance production. Downtimes and errors are minimized, meaning that the systems are used more effectively.

- › Bundling of many different small jobs onto one roll of paper without manipulation of the print run results in efficient processing at a maximum speed of up to 24,000 envelopes per hour
- › The system automatically detects when a new job begins and makes any adjustments automatically
- › Blank and banner pages on a roll are automatically identified and bypassed at high-speed with the help of the automated software
- › Manual interventions by the operator are reduced to a minimum (e.g. when changing the enclosures or envelopes)
- › If a manual action is required, the software guides the operator through job processing step by step and ensures a low error rate and a fast job changeover
- › Monitoring in the system ensures the highest integrity and allows for comprehensive reporting on material and job levels
- › Batch data from multiple systems can be consolidated in higher-level management software such as BÖWE One and can be used for precise billing or reprint processing



Cutting edge infeed technologies provide maximum performance

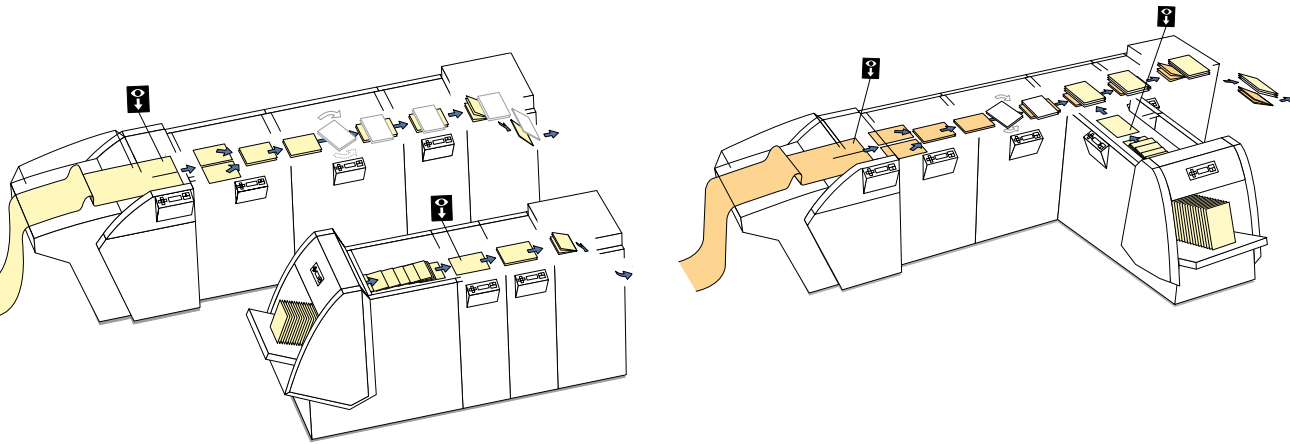
Fusion Cross' sophisticated document input makes this system a powerful partner for high-performance applications. Infeed channels in various performance classes for cut-sheet and continuous processing meet the most diverse requirements for the mail production center and ensure maximum efficiency. In continuous processing, the material is automatically turned 90° clockwise or counterclockwise as required in the input channel with the help of the integrated turning module, without impacting the speed. This allows for the processing of C4, Flats and Stretch applications while retaining the same high speed.



High rates of productivity in **continuous processing** are easy to achieve with the Fusion Cross as no manual intervention is necessary, except to change rolls. The integrated turning unit rotates the items as necessary by 90°, clockwise or counterclockwise without affecting feeder per-

formance. C4, Flats and Stretch applications can be processed through the same infeed channel as DL or #10 applications. For **cut-sheet feeding**, Fusion Cross offers the necessary flexibility for processing A4 formats of varying paper quality.

Various **dual channel solutions** combine continuous and cut-sheet processing. With this method, not only can documents from different print runs be combined, but reprints in small quantities can also be processed quickly and flexibly.



High-performance input channels for cut-sheet or continuous processing

The dual channel module combines cut-sheet and continuous processing

Processing insurance policies the easy way

The need to assemble and mail hundreds of thousands of complex documents and policies with 24-hour service level agreements places extremely high requirements on insurance industry mailing centers. The time factor is only one of the many challenges in this highly regulated and demanding environment – the correct compilation of all relevant documents and enclosures in one envelope, often individually printed and stapled, is another. With these market requirements in mind, BÖWE SYSTEC developed the versatile assembling and stitching module for the high-performance inserting system Fusion Cross to handle the high-volume and flexible production of insurance policies and documents.

- › Equipped with a high-performance infeed channel and BÖWE SYSTEC's high-speed assembling and stitching module, Fusion Cross is the ideal system for the production of insurance policies with high page counts (e.g. handling approximately 2,300 insurance policies per hour at 30 pages per policy)
- › Subgroups of individual insurance policies (e.g. cover letter, policy, insurance card, bill, etc.) are collected in the assembling and stitching module and stapled as required
- › Staples even larger subgroups of up to 80 pages in both portrait and landscape format (A4 and US Letter)
- › Documents can be stitched or stapled from below or above, using a stitching wire or a staple cartridge
- › Multi-position stapling is available
- › A second assembly station allows the flexible compilation of documents in one envelope, whether stapled or not

