

# The revolution in high-performance inserting



B6+→B4  
#7 3/4→Flats



10 mm/0.4"



100,000 sheets/h



22,000 env/h



1 channel



15 mm/0.59"

# FUSIONX

# A revolutionary new approach to inserting

A new age of inserting has begun. The Fusion Cross will revolutionize your mailroom. No other system is as flexible or as capable of processing such a vast spectrum of envelope formats and filling thicknesses while still being so fast, gentle to the material and reliable. An intuitive operator friendly system for all requirements at the highest levels of performance.



**Flow-Principle** for gentle treatment of material and safe processing



Highest **flexibility and investment protection** due to the open device carrier concept



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



**Broadest format- and filling thickness spectrum** in the high-performance segment



Self explanatory, **easy and intuitive operation**



Universal **modularity**

## The Flow-Principle

### The discovery of slowness

With the "Flow-Principle" BÖWE SYSTEC has introduced a completely new approach to inserting letting the whole production process flow smoothly. Even at the highest speeds this ground-breaking new inserting principle ensures especially reliable processing which is also gentle on material and machine. The required integrity is ensured by intelligent system control and monitoring on the one hand and seamless document tracking throughout the production process via the link to our powerful software on the other.



With Fusion Cross BÖWE SYSTEC has reduced and harmonized the overall speed of insertion by maintaining the material flow at a constant speed which as a result leaves substantially more time to perform the actual inserting. The individual processing steps take place with slightly offset timing, catching up with each other and smoothly merging into

each other. Fusion Cross discovers slowness as a means to considerably increase productivity and output.

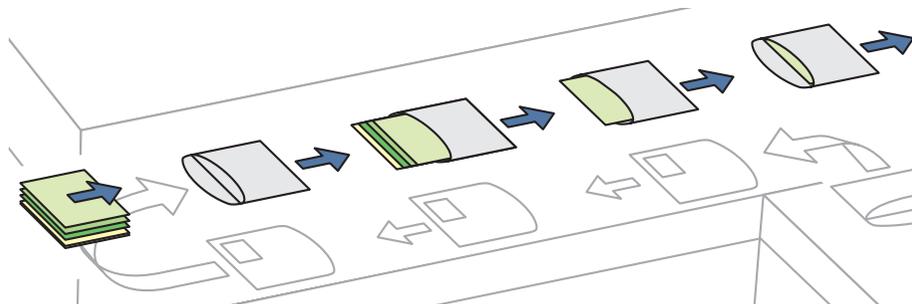
› Smooth material flow

› Through processing face down enclosures can be easily fed onto the documents

› Maximum process security by optimization of material speeds

› Gentle and reliable processing of normal and challenging material due to protective guiding elements

› Reliable production due to low-wear servo technology and gentle processing

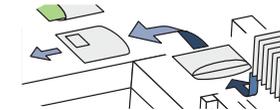


## Taking advantage

### of physical laws

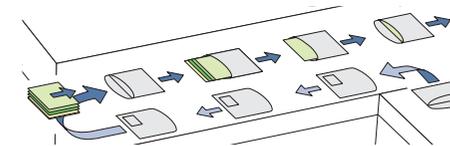
#### 1 Redirect and turn-over

- › Process realized in Flow-Principle for the first time
- › 90°-redirection of open, empty envelopes at full speed
- › Format-independent method which requires no adjustments



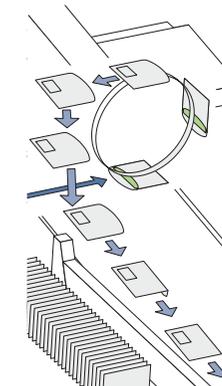
#### 2 Inserting procedure

- › Patent-pending principle for gently opening and filling envelopes
- › Material to be filled moves slightly faster and catches up with the envelope
- › Decelerated filling process for highest insertion security
- › Gentle guidance of filling material and controlled inserting process – even for difficult material or high filling thickness



#### 3 Redirect and close

- › Redirection of the open filled envelope while running at full speed
- › Redirects even rigid filling material without a problem
- › Closes envelopes and ejects them face up, ideal for post-processing



## High enclosure flexibility

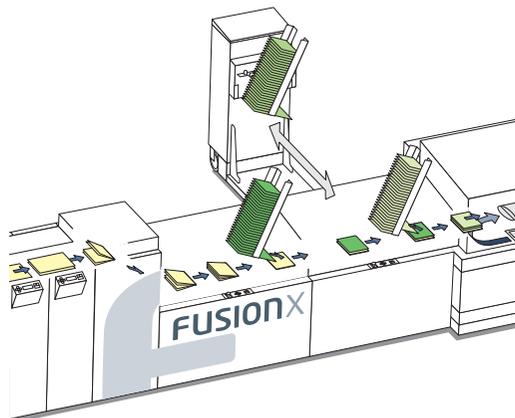
for highest possible investment protection

The open device carrier concept of the Fusion Cross collating track permits not only the simple change between varying enclosure feeders but also retrofitting at a later date to accommodate changing requirements. The feeders can be freely positioned and beyond that, devices for special applications or cameras can be easily integrated.



Fusion Cross bridges the gap between transactional and direct mail: High-value processing of important documents and non-standard enclosures while retaining the highest integrity. Furthermore, Fusion Cross guarantees high flexibility due to the open device carrier concept.

- › Fast and simple exchange of the enclosure feeders
- › Integration of devices for special applications or cameras are possible at any time
- › Integration of object feeders for advertisement or direct mail
- › High degree of investment protection



## A high-performance inserting system

for all applications

Due to the uncompromising performance characteristics, the revolutionary inserting principle as well as the exceptional enclosure flexibility, the Fusion Cross combines all requirements crucial to the success of modern mailrooms. The Fusion Cross encompasses nearly every application in postal and service centers, covers nearly all applications and offers quantifiable production – regardless of the size of the mailroom and number of systems.

# 1

SMTS – Single Machine Type Strategy: A high-performance inserting system for all applications.

- › Minimal training requirement for only one machine type

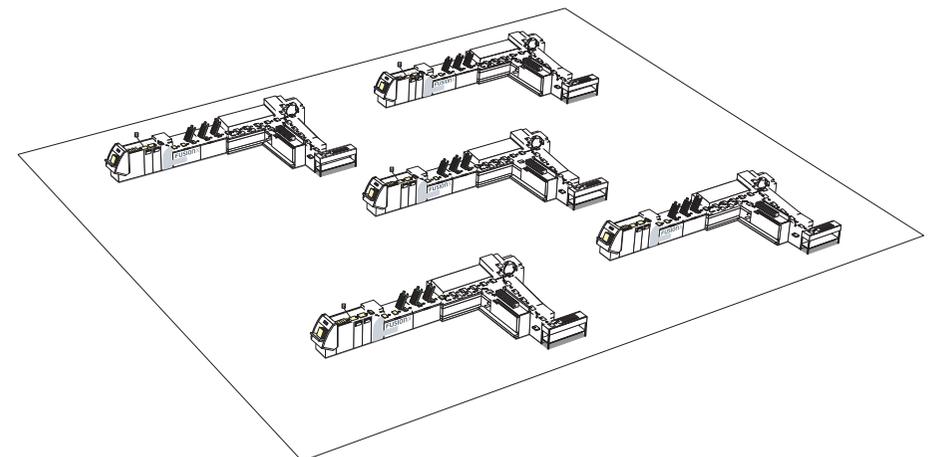
- › Flexibility in personnel-, shift- and material planning

- › Reduction of service- and maintenance costs

- › Short changeover times and reliable production

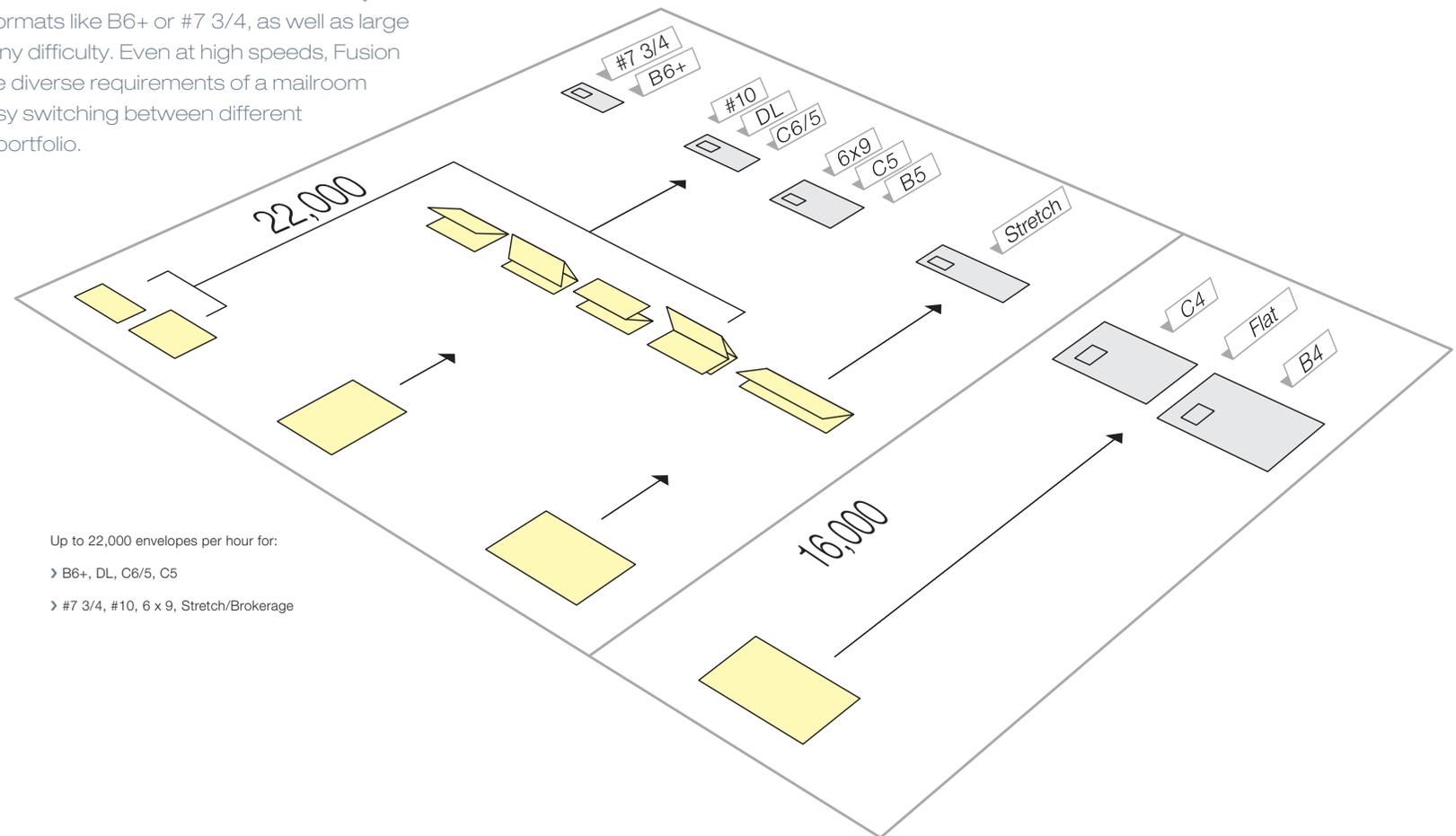
- › Transfer of recipes to machines of the same type is possible without difficulties

- › Equalizes the capacity utilization of all systems



## The broadest spectrum of formats in the high-performance segment

No other high-performance inserting system is as flexible and processes as broad a spectrum of envelope formats as Fusion Cross. This revolutionary system is able to handle both small formats like B6+ or #7 3/4, as well as large formats like C4, B4 or Flats without any difficulty. Even at high speeds, Fusion Cross is therefore able to meet all the diverse requirements of a mailroom perfectly. Quick set-up times and easy switching between different formats round out the Fusion Cross portfolio.



Up to 22,000 envelopes per hour for:

- > B6+, DL, C6/5, C5
- > #7 3/4, #10, 6 x 9, Stretch/Brokerage

Up to 16,000 envelopes per hour for:

- > C4, B4
- > Flats (9 x 12, 10 x 13)

# BÖWE Cockpit

## Smart man-machine-interface

Thanks to a completely new user interface Fusion Cross can be operated easily and intuitively. State-of-the-art touch-screen displays assist user guidance with a new type of position control: They are self-orientating which enables the operator to see any information that may be necessary from the machine component he is currently working on. An interactive help function assists in set-up and trouble-shooting. The standard BÖWE Cockpit for Fusion Cross consists of three apps: Machine Operation, Recipe and Report.



**Machine Operation** guides the user through the job processing. An intuitive and virtually text-free user friendliness. A graphically supported help-function assists in set-up and trouble-shooting.



Thanks to the application **Recipe** the user – for the first time – is no longer required to program any machine functions, instead he only has to describe the characteristics of the material to be processed. This means that detailed knowledge of the system is no longer required. A recipe consists of pre-defined material modules (e.g. documents, enclosures, envelopes). Recipes are created independently from the inserting system and may be processed on different inserters.



**Report** for application and system oriented report creation.

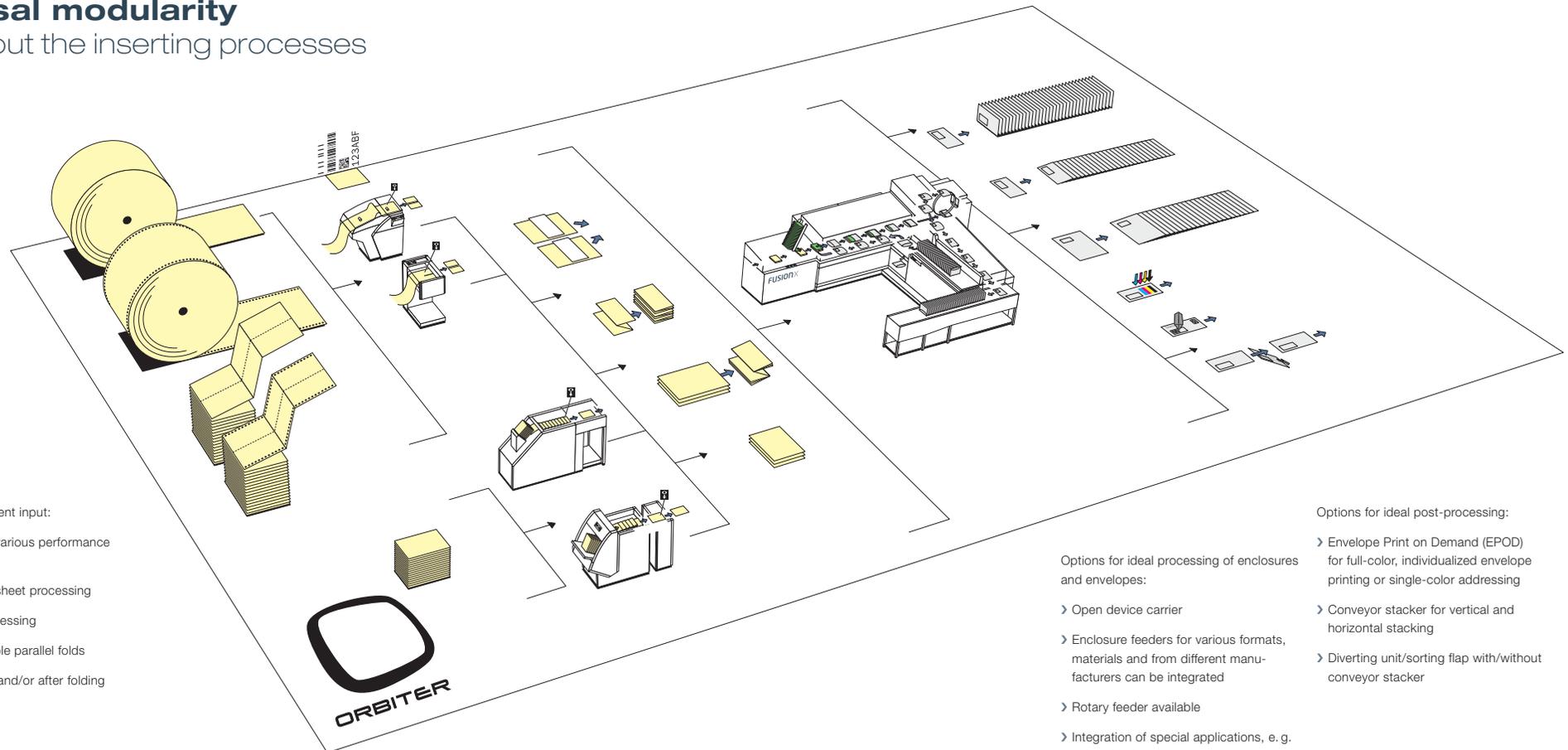


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## Universal modularity

throughout the inserting processes



### Highly flexible document input:

- › Infeed channels in various performance classes
- › Continuous or cut-sheet processing
- › 1-up and 2-up processing
- › Z, C, single or double parallel folds
- › Assembling before and/or after folding

### Options for ideal processing of enclosures and envelopes:

- › Open device carrier
- › Enclosure feeders for various formats, materials and from different manufacturers can be integrated
- › Rotary feeder available
- › Integration of special applications, e. g. object feeders for advertisement or direct mail
- › Reading units in enclosure or envelope feeder, to enable the matching of the letter with enclosures and envelopes

### Options for ideal post-processing:

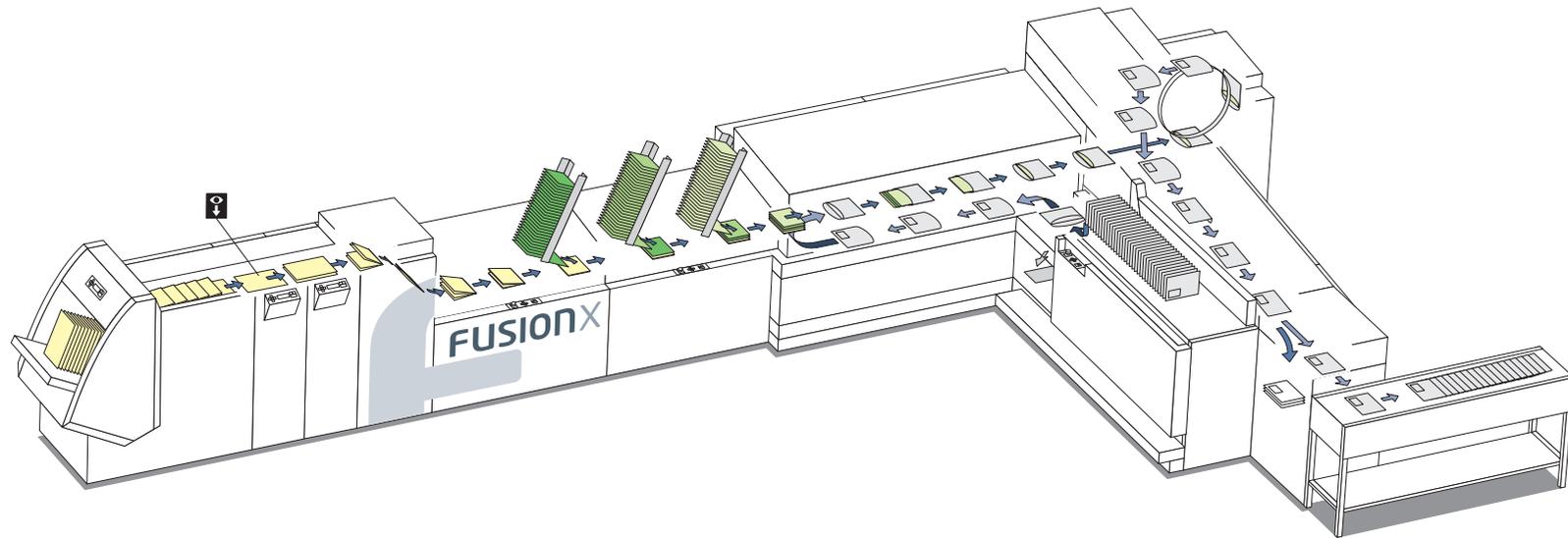
- › Envelope Print on Demand (EPOD) for full-color, individualized envelope printing or single-color addressing
- › Conveyor stacker for vertical and horizontal stacking
- › Diverting unit/sorting flap with/without conveyor stacker



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## Technical Data



### Max. performance

B6+, DL, C6/5, C5, B5 #7 3/4, #10, 6 x 9, Stretch/Brokerage	up to 22,000 env/h	C4, B4 Flats (9 x 12, 10 x 13)	up to 16,000 env/h
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### Documents from the infeed channel

Width	210 mm - 305 mm	Height	8" - 14"
Paper weight	70 - 120 g/m <sup>2</sup>		

### Enclosures

Max. number	9 enclosure feeders	Thickness	0.06 mm - 10 mm
Width	148 mm - 305 mm	Paper weight	60 - 250 g/m <sup>2</sup>
Height	80 mm - 220 mm	Special formats	on request

### Envelope sizes

Width	190 mm - 356 mm	Feeder capacities	approx. 3,100 envelopes
Height	98 mm - 254 mm	Paper weight	60 - 160 g/m <sup>2</sup>

### Max. inserting package

Height	up to 15 mm	Weight	up to 1,000 g
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