



## **BUHRS** *BB600*

the consistent performer

**Profitability in the mailing industry depends on constantly having the highest possible output per employee. A few uncertainties that can disrupt the efforts of your staff in trying to achieve this, include the quality of material and job set-up times. To achieve the highest possible output, you must reduce those factors you cannot control and increase on those that you can. Unquestionably, the equipment you choose to support your efforts must be flexible, easy to set-up and run dependable.**

### **THE BB600**

To help you do just that, Buhrs has developed a state-of-the-art high-speed Envelope Inserting System, the Buhrs BB600. With a product size range from C6 up to B5 and a maximum speed of 13,000 products per hour, the Buhrs BB600 increases your competitive advantage within the mailing industry.

Based on the proven Buhrs RF2 rotary feeder, known for reliable running and high product flexibility, the Buhrs BB600 is also equipped with servo control for on-the-fly adjustments, automatic envelope size set-up, and numerous other benefits.



RF2 rotary feeder

## RELIABILITY

Product separation, using the well-known sucker-gripper mechanism, on the servo driven RF2 rotary feeder is very reliable and consistent. The RF2 feeder is equipped with miss, double and low level detection. To guarantee perfect separation, the feeder is additionally equipped with blow air and needles. Air, provided by a newly developed venturi system, enables the user to accurately adjust blow and vacuum air.

## EASY SET-UP

The combination of a servo driven inserting unit and servo driven feeders result in reduced set-up times and independent running. A hand-wheel centrally adjusts the side guides in the gathering section. Last but not least, the automatic envelope length adjustment and the automatic synchronisation reduce the make-ready time to a minimum.

## HIGH SPEED C6 - B5 INSERTING SYSTEM SERVO TECHNOLOGY

The focal point of every BB600 Envelope Inserting System is the inserting module where insertion of products, which have been collated in the gathering section, takes place. This module is in-line with the gathering section, which is proven to be the most reliable way of inserting.

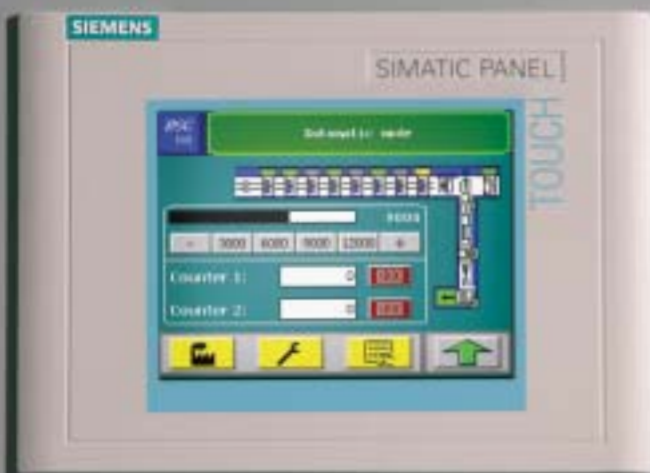
The envelopes are fed by means of a similar RF2 rotary feeder, using a sucker separation mechanism with double and low level detection. The envelope feeder is also equipped with longer product guides to handle a total of up to 1,500 envelopes. A gripper-chain conveys the envelope from the feeder to the filling position where a suckerbar opens the envelope for insertion. Double envelopes or envelopes with closed flaps are automatically ejected at the inserting module. A belt then transports the filled envelope to the vacuum closing section, which is positioned at a 90° angle to the inserting module. In the vacuum closing section, a waternozzle accurately moistens the flap before mechanical sealing.

## BUHRS OPERATOR PANEL - "TOUCH SCREEN"

The integrated "touch screen" operator panel offers automatic settings, MIS, as well as configuration options.

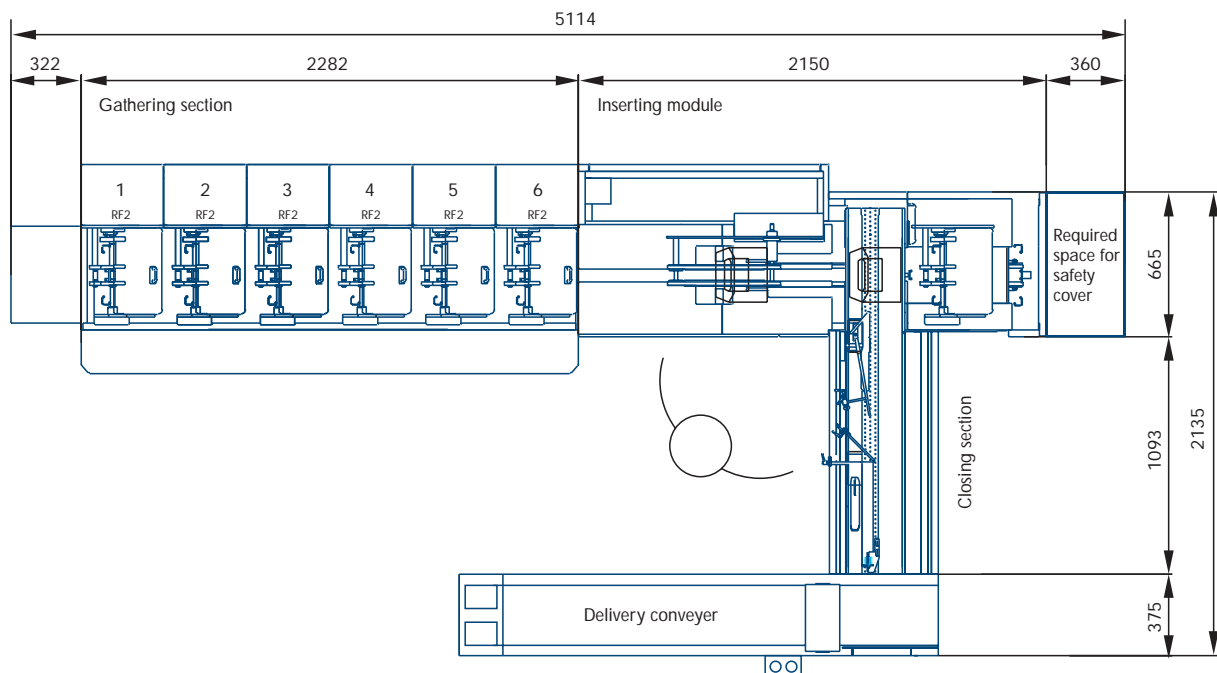


Inserting module



Operator panel

## BB600



### GATHERING SECTION

The basic gathering section of the BB600 consists of a six feeder base. A four feeder base or a combination of the two is also available.

The base is equipped with jam switches and centrally adjustable side guides for easy set-up. A double lug chain, 50 mm wide, ensures accurate transport of inserts. A separate servo motor drives the lug chain. The base of the gathering section houses the main control cabinet of the system.



#### Features:

- Highest net output with C5
- Very smooth running due to servo technology
- Extremely short set-up times from B5 to DL
- Minimal waste during set-up due to independently driven feeders
- Modular and very easy to expand
- High utilisation due to exchangeability of feeders
- Robust design, therefore very low maintenance costs
- Very consistent feeding technology resulting in high net output
- Large variety of feeders



## OPTIONS

- Mirrored configurations
- Eject gate
- Turn-over belt
- Lining table
- Bundle stacker
- Kicker for postal sorting
- Online document finishing for continuous or cut-sheet laser printed documents
- Camera system for matching, selectivity or integrity control
- Optimised logistics; right and left configurations
- Up to 12 feeders
- Friction feeders

## TECHNICAL SPECIFICATIONS

- **Mechanical speed**  
- max. 13,000 p/h
  - **Product thickness**  
- max. total thickness 6,5 mm
  - **Product size**  
- max. 165 x 230 mm (l x w)  
- min. 80 x 100 mm (l x w)
  - **Envelope size**  
- max. 176 x 250 mm (l x w)  
- min. 90 x 150 mm (l x w)
- l = length in running direction of the chain

Specifications are subject to any change without notice

Buhrs offers the following solutions:



### Mailing Solutions

- Buhrs-Zaandam for film & paper wrapping systems
- Buhrs-ITM for multi-format envelope inserting systems

### Fulfillment Solutions

- Buhrs-Media Craft for retail order assembly and return systems
- Buhrs-Fulfillment Systems for intelligent boxing systems



### Control Systems

- Betron Control Systems for controllers and camera read systems

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