

# DS100

## MAILING SYSTEM



### THE EXCEPTIONAL VALUE OF DIRECT MAILING

Matica DS100 System offers total flexibility in today's mail processing market. It can be configured to almost any application, running speeds of up to 3,000 filled envelopes per hour. It is capable of processing documents from 6 different hoppers with a total pack thickness of up to 6 mm. The DS100 is a highly durable system designed and built for performance, reliability and exceptional value.

#### TARGET MARKETS

- Government
- Retail
- Insurance
- Direct Mailing
- Financial
- Telecommunication

# CARD MAILING SYSTEM

## CONTROL PANEL

DS100 has a large, simple-to-use graphical display and control panel, which guides you through every step of the operation. By remembering your most common document types, the Select & Go function will enable you to program new jobs in seconds. Up to 20 applications can be saved and recalled by name.



## DOCUMENT SECURITY

The hopper on DS100 is equipped with an infra-red electronic double document detection system. This accurately measures both the thickness and length of each document, ensuring the integrity of your mailings.

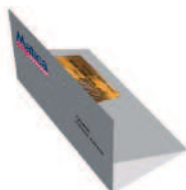
## CARD FOLDER

Once the cards and carriers have been securely matched, they are passed to the DS100 to be folded and inserted. The unique folding system allows the carrier to be folded in Z, C or V formats depending on the type of envelopes to be used. Utilizing other folders and feeders from the DS100 range, up to 6 further inserts may be added to the carrier before insertion.

Z Fold



C Fold



V Fold



## INSERT FEEDER FOR 1/3 OF A4 SHEET

Our high capacity insert feeder holds up to 300 mail pieces and features a unique separator that can easily cope with a wide variety of inserts from a single 60 gsm document up to a 4mm thick booklet. The hopper may be loaded during running in order to maximize efficiency.



## TOWER FEEDER

The tower feeder allows two different inserts to be loaded without requiring more valuable space. Each hopper has a capacity of over 200 documents.



## A4 FEEDER & FOLDER

Our powerful and versatile A4 feeder & folder is capable of producing all fold types for documents with virtually any address position. All folds are set automatically when a job is programmed. It is available with either 1 hopper providing cascade capability and a maximum capacity of 500 sheets. It also enables the DS100 to work in off-line modality (not linked to MS7000 card mailing system) to allow the production of bank statements.



## EASY ACCESS

A key feature of DS100 is that your documents are easily accessible, wherever they are in the system.



## ENVELOPE FEEDER

With a hopper holding over 400 envelopes, which can be reloaded without stopping the system, DS100 handles sizes such as DL and C5 with ease. All internal guides and controls are adjusted automatically, each time an application is selected.



## OUTPUT CONVEYOR

When processing larger volumes, an output conveyor is available to stack filled envelopes in their correct order.



## ENVELOPE SPECIFICATIONS

Envelope Weight:

min. 70 gsm (18 lbs bond)

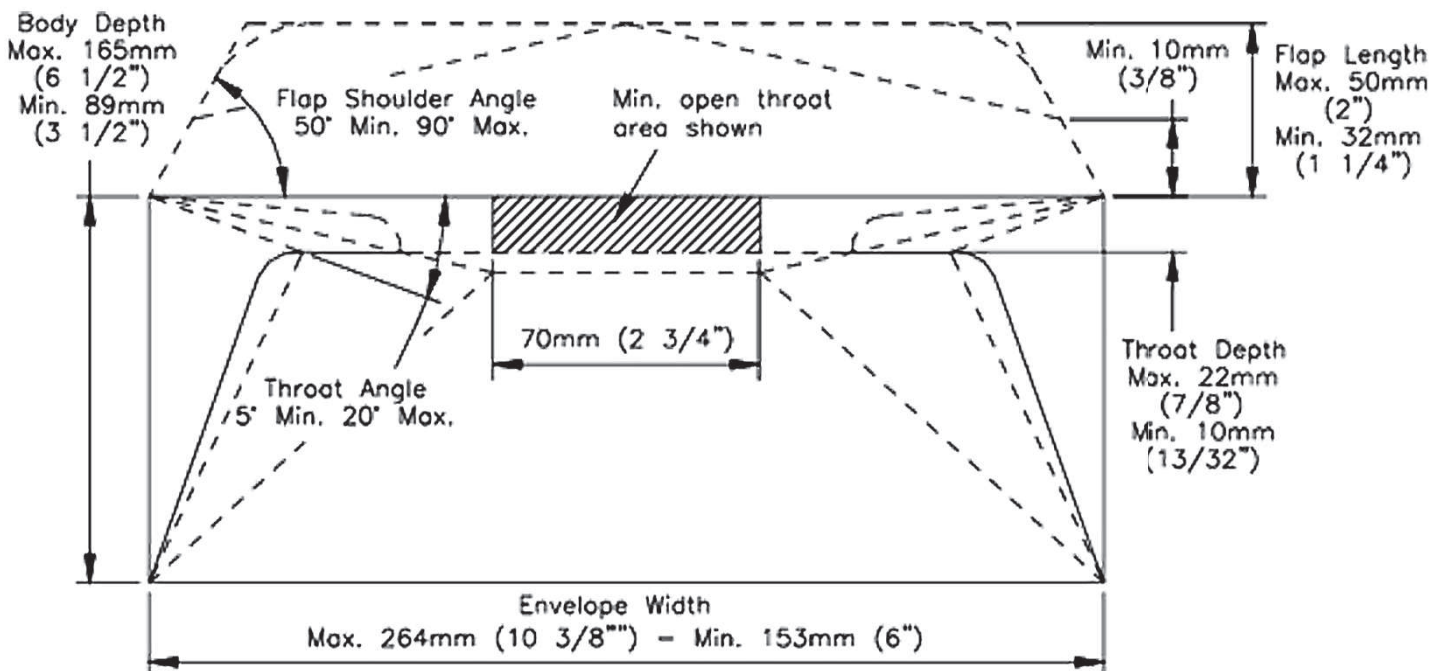
max. 100 gsm (26 lbs bond)

Hopper Capacity: 350 - 400 of 80 gsm (20 lbs bond) envelopes

General Requirements:

- Windows must be securely gummed
- side seams must be glued to the top

- pre-scored flap crease to enable the envelope to open flat no twisting, curling or distortion evident
- matt and semi-gloss finishes are acceptable. Gloss finishes require approval from Technical Support Dept
- envelopes not meeting the above requirements may be acceptable, subject to testing and approval by Technical Support Dept
- envelopes not meeting the above requirements may affect the machine performance



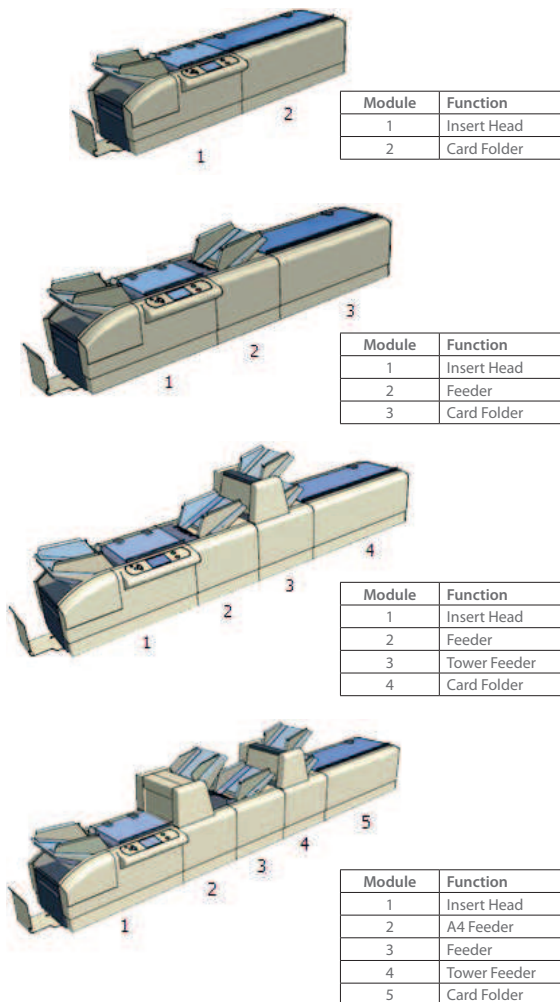


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### CONFIGURATION OPTIONS

Configuration examples are not exhaustive - secondary modules are freely configurable.



### TECHNICAL SPECIFICATIONS

#### Technical Features

- 1-3 feed modules (up to 6 hoppers)
- Handless stationery from 80 gsm to 4 mm thick booklets
- Inserts collated packs up to 6 mm thick
- Fully automatic fold and envelope settings
- 20 user programmable job memories
- Cycles at up to 3000 filled envelopes per hour
- Advanced operator interface
- Advanced double document calibration

#### Inserting Head

- Envelope size:
- depth: 89 mm - 165 mm
  - width: 152 mm - 264 mm
- Insert pack thickness: 6 mm  
Cycle speed: up to 4500 per hour

#### Card Folder Specifications

- Fold types: Z fold, C fold & V fold capable  
Carrier size: up to 216 mm wide by up to 406 mm long  
Cards/Carrier: up to 4 cards, middle and lower panel only  
Attachment: cards must be stuck securely on to carrier  
Paper weight: min. 80 gsm - max. 100 gsm  
Speed: up to 3000 per hour  
Communication Interface: RS232 serial connection to card issuance system

#### Insert Feeder

- Material size:
- depth: 76 mm - 152 mm
  - width: 140 mm - 242 mm
- Minimum weight: 60 gsm single sheet  
Maximum thickness: 4 mm

#### Folder

- Material size:
- depth: 140 mm - 406 mm
  - width: 140 mm - 228 mm
- Weight: 60 gsm - 120 gsm single sheet  
Up to 8 sheets, 80 gsm

#### Conveyor's Dimensions

- L x W x H: 110 x 26 x 82 cm  
L x W x H: 185 x 26 x 82 cm

#### Total Dimensions

- L x W x H: 278 x 69 x 53 cm