

# TECHNICAL SPECIFICATIONS

## ENVELOPES:

Formats: B4 to C5, S65/DL. C6 optional.

Max size: 250 x 353 mm

Min size: 110 x 225 mm, with C6-option: 114 x 62 mm

Flap depth: 25-76 mm

Power requirements: 400/230 VAC, 3-phase, 50 Hz, 16A Max size: 270x360 mm

Space requirements: Based on a twin-station basic rotary feed machine

(\* T"-shape) without channel L: 3.5 m (with channel 5.9 m) W: 2.8 m

Each additional twin-station extension equals 0.8 meters in length

## INSERTS:

Max size: 230 x 330 mm

Min size: 90 x 205 mm, with C6-option: 90 x 148 mm

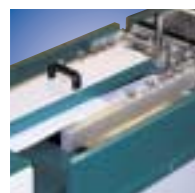
Max thickness: 6 mm (in total up to 16 mm into envelope)

Min thickness: 40/g m2 single sheet

Stations: 2-12 standard

Mechanical speed: up to 12.000 cycles/hour - net output depending on material and type of job

# ACCESSORIES



## SHEET-FEEDING CHANNEL

Our modular channels can be configured to customer requirements: cutter, sheet-feeder, two-up, autoloader, A3/A4, collector, folder, 90 degree transport tables etc. Equipping the modules with any of our reading and control systems means the user can process the toughest tasks.



## READING/MATCHING SYSTEMS

We can provide a full range of reading systems: from OMR reading via BCR scanning to ICR/OCR, datamatrix or other 2D-codes. We provide CCD - camera solutions, both for static and dynamic reading. You can choose to read a code and find the data for controlling the machine. Or you can use another reading unit for matching the first one. It is also possible to add a third reader to match another database with a pre-printed envelope. Our reading systems can be integrated in any insert-station, the envelope station or the channel.



## DIVERTERS

Our diverter sorts out faulty/empty envelopes by default or can be set-up to divert upon command - for example for sorting out extra thick/heavy envelopes or by any other command. In those cases it can be combined with a conveyor or to neatly stack up the finished mail.

## TURNOVERS

To handle the high speed of the C45, we provide a belt-turnover for applications where you need the address-side of the envelope facing up. For applications including inkjet module, output validation unit etc.

## INKJET MODULES

The inkjet module can work in off-line mode for sequential printing, or on-line mode for matching to a database.



## OUTPUT VALIDATION UNITS

Our state-of-the-art standalone module, is designed to fit almost any inserter on the market. It can read sequential numbers on the envelope (or through the envelope window) and stops to alert the operator when the sequence is broken. It can also be matched to a database, or verify inkjet print quality. All numbers read are logged and verified and can be transferred to an audit system.



## CONVEYORS

Kalmar MailPro manufactures conveyors for various purposes. Each conveyor has an independent speed regulator. The bucket conveyor is an intelligent unit, which can be linked into the machine system for postal code sorting and other similar tasks.



## PURPOSE-SPECIFIC CONVEYOR MODULES

We can also provide a U-shaped conveyor module that returns the output in line with the envelope-station and horizontal work-flow.



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# C 4 5 U N I M A I L E R

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A fully integrated PC-based user interface allows greater job processing flexibility. Any job can be preprogrammed, downloaded, stored and easily accessed. The system can interface with standard computer networks. The user can add scanner or camera reading to the system and read whatever is printed.

**THE C45 UNIMAILER** can deal with the increased demands of today's markets. It is capable of very high loads, and is suitable for two and even three-shift industrial production. At the same time, it can process the widest range of jobs: from performing high-speed, single sheet inserting to swiftly move to more complex individualized inserting with varying numbers of sheets and high demands on security and quality of the finished product. All this in combination with address-printing on the envelope and output control.

process for increased job-security. Kalmar MailPro works along the simplicity-principle for customers' investment protection: unlike many competitors, we comply with industry-standard components and have opted away from complicated designs that often increase service and maintenance costs.

The C45 Unimailer is modularized and can be updated as demand and need for capacity increases over time.



The C45 Unimailer is available in versions with 2 insert stations up to 12 insert stations. Each high-speed feeder is equipped with an individual servo-drive unit that enables accurate delivery of enclosures and smooth, consistent production. It is also possible to set up the feeders as team stations, whereby you can manage the material at lower speeds if necessary.



The insert into envelopes - based on tried and tested technology-manages the load and strains of continuous high speeds. The envelope-table briefly stops by the insert and inserts are guided into the envelope.



### ERGONOMY IN DESIGN

- low chassis level of working area = 83/105 cm (paper-track/loading of stations)
- in-line workflow
- industry-leading HMI
- minimum operator workload, components in the inserter are easily accessible
- error-tolerant operation
- easy adjustment between formats



Expandability with job-specific accessories for handling material like post-insert treatment, special applications such as ink-jet printers, output validation units, turnovers, diverters etc.

**MAIN FEATURES:** Improved reliability through servo-drive for all individual stations as well as in the main system. This enables more exact timing and less wear on the system-parts and a smooth start/stop action. The machine also features tracking control of documents through the entire machine-



The envelope station is based on the same rotary technology as the insert feeders

The C45 Unimailer - in this picture configured with 6 insert-stations, diverter and conveyor.