

 **KC45**

HIGH SPEED,  
MULTI-PURPOSE  
INSERTING

# KALMAR C45

KalmarMailPro

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.

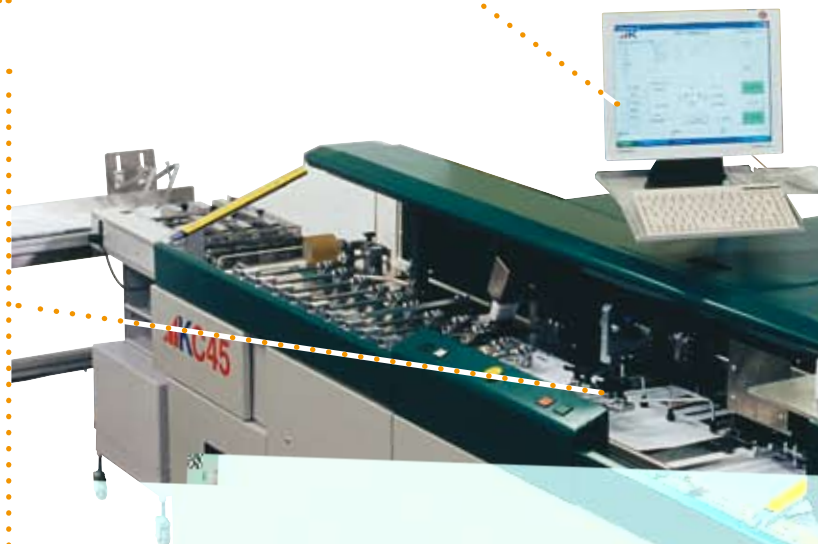
The insert into envelopes - based on tried and tested technology - manages the load and strains of continuous high speeds. The envelope-table briefly stops by the insert and inserts are guided into the envelope.



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

**THE KALMAR C45** 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.



## MAIN FEAT-

**TURES:** 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-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 are distant from complicated designs that often increase service- and maintenancecosts.

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

The Kalmar C45 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.



#### ERGONOMY IN DESIGN

- low chassis, level of working area =70/98 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

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

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

# TECHNICAL SPECIFICATIONS

## ENVELOPES:

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

Max size: 270 x 360 mm

Min size: 110 x 225 mm, with C6-option: 114 x 162 mm

Flap depth: 25-76 mm

Power requirements: 400/230 VAC, 3-phase, 50 Hz, 16A

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.



## 270 DEGREES TURNING KIT

Special support and adoptions making it possible to turn the rotary feeder 270 degrees (90 degrees also available).

## 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 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.

## BATCH KICKER

Batch kicker mounted on the conveyor off sets the product flow when a signal is given from the inserter. Can also be set at a certain number to make "batches".  
Mostly used for postal break sorting and batch counting.

## SMALL INSERT KIT

Special supports that guides and puts small inserts at the correct place when they are put on larger documents.

## CONVEYOR

A shingling conveyor that as standard is 1.5 meter or 2.5 meter long. It has a step less speed control that easy can be set for the speed necessary to coop with the inserter. The conveyor belt ends with a plate that raises the envelopes in order to get good access for the operator.

## 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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