

Kern 90 GFT

Gift card mailing system

kernCard



The right solution for «out of ordinary» card packaging.

Packing of Gift-, Retail- and SIM-cards is not limited to a standard paper carrier.

Reality evidences endless possibilities based on creativity of Marketing Departments who more and more want to capture end users attention, provide brand awareness, by inspiring excitement and confidence with a personal touch.

Multiple designs, sizes, formats, densities, folds and cross folds, gluing, labelling, add-ons and prints represent a real tough challenge for Operation Managers in charge of fulfilment, who currently have to rely on manual labor, semi-automated equipment or one job-dedicated systems.

The Kern 90 GFT is a simple yet innovative one pass solution, based on a few easy mechanic components .

Their combination, sequence and repetition along the workflow together with adequate series of guides and brackets, enable to repeatedly turn, rotate, fold and refold various shapes and formats from the smallest to the largest.

Adding one or more glue devices, feeders, print heads, labelling, adhesives and other modules, the system can be configured to perform the most complex applications.

Inspired to the principle of modularity, The system can be customized to suit individual needs and is scalable. Removal and interchangeability ensure to quickly adapt to new jobs.

Card identification and feeding is on a separate line, provided by a pick and place Robot, Kern's consolidated technology to give the best handling with top precision and flexibility in placement.

Settings and changeovers are optimized to reduce down timing. With a speed up to 200 meters/minute and continuous running, accuracy and high quality rate ensure the maximum productivity and performance.

Verification tools are available to assure complete job integrity, including most common bar code, data matrix and OCR fonts.

Our Services

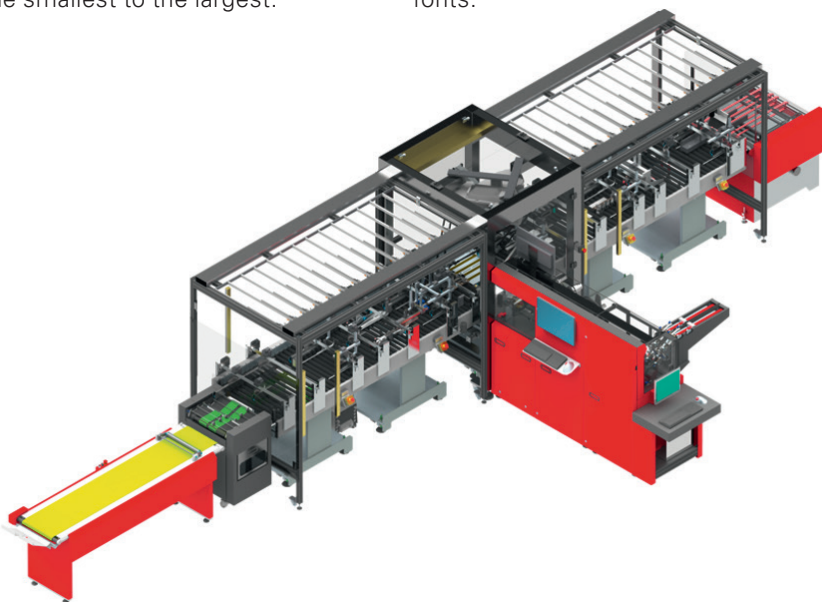
- Personal consulting on site
- Requirement analysis
- Working out an optimal solution
- System integration
- On-site training of your employees
- Comprehensive support during the operational phase

An easy to use control system completes the configuration, capable to set up jobs, hence verify and validate the entire working process.

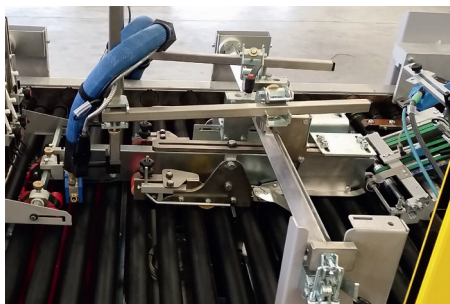
Solid and robust, employing brushless servo technology and best motion controls, the Kern 90 GFT is a reliable heavy duty machine made to last with minimum maintenance and contribute to improve your activity.

Features

- Wallet size:
min. 60×60 mm / max. 780×780 mm
- Wallet density:
min. 150 gr/m² / max. 550 gr/m²
- Inner size:
min. 54×54 mm / max. 140×140 mm
- Material: Paper / Cardboard
- Card size: CR80
- Small Lateral cross folds:
min. 12 mm / max. 40 mm
- Large lateral cross fold:
min. 40 mm / max. 500 mm
- Back fold:
min. 45 mm / max. 420 mm
- Speed: depending on job to be processed



Additional to the System **Kern 90 GFT**

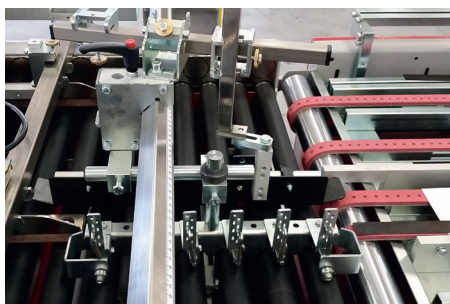


1 Basic mechanic components

- Longitudinal plow fold: parallel to workflow
- Transversal Fold: 180° backfold respect to workflow
- Rotation module: pivot with dual free rotating disk.

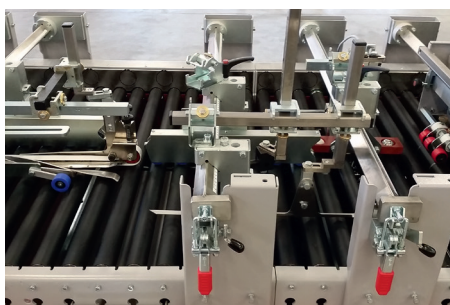
2 Components versatility

- Facilitated detachment or replacement in right sequence from:
 - graduated rods
 - support base
 - base module
- Available upon request a separate frame support to hold the spare module



3 Structured modules

- Feeder for pre-creased wallet. Adjustable guides for various formats.
- Roll transmission modules all along line for optimized carriage.
- High speed friction feeders, flexible and reliable for inner items. Available bar code/data matrix reader.
- Functional dedicated conveyor for card detection, carriage and setting:
 - Dual card hopper with sensors
 - Sensor for cards doubles/missing
 - Range of readers available: mag stripe, bar code and data matrix
 - Chip (contact and contactless)
 - Tele camera
 - Available applicator of bi-adhesive and activation labels
 - Rotation spinners for correct card
 - Placement (face up or down)
- Patented fast Pick & Place Robot for card attachment.
- High level of versatility with multiple and variable attachment per each piece within same job.
- Accurate placement with a $\pm 0.5\text{mm}$ tolerance and rotation from 0 to 360°.



4 Gluing

- Automatic programmable gluing machine employing various type of glue based on demand.
- Extremely mobile and flexible to be Placed along the system line with one or more glue guns.
- Easy pattern setting through display.
- Accurate control quantity applied (pressure glue and nozzle diameter).
- Rapid warm up. Fill level and power supervision.

5 Printing on line

- Ink jet heads can be placed along the line and be integrated into the system with state of the art control systems.
- The print modules represent the answer to demand of printing logos, symbols and variable data on the package and provide unique identity.

6 Security features

- Sensor barriers placed along the line ensure maximum protection to operators during functioning.
- The breaching of the sensors immediately stops the system, which remains in stand by position until next restart.

7 Software operating and control system

- Day to running of the system is facilitated with a clearly structured user-friendly interface. Operators are guided step by step in job set up.
- Images and graphics on a wide screen provide rapid vision and knowledge as well as quick and precise intervention in case of necessity.
- Data capturing from the check points provide detailed reports on production, performance and integrity.
- Customer can therefore analyze in real time and make eventual intervention and adjustments.

Kern AG

3510 Konolfingen
Switzerland

Phone +41 31 790 35 35
info.switzerland@kernworld.com
www.kernworld.com