# kern*Mail*

# Kern 5000
## Multi format inserting system

The all-rounder in all things formatting

# Kern 5000 The talented multi format inserting system

**Speed and flexibility are a must. The Kern 5000 can process all envelope formats. The high degree of automation enables reliable and efficient handling of fast changing distribution jobs with various formats.**

We use superior quality materials, the latest drive and sensor technologies, and sophisticated control systems and technology. High system availability and the renowned Kern durability are guaranteed.

**1** The Kern **reading system** monitors the handling and inserting processes. The paper flow check sensor technology ensures maximum processing security and control.

In the Kern 5000, **configuration** of the folding plates, rotary module, grouping table, and document guides, takes place automatically within the inserting system. This reduces changeover times for format changes to a minimum.

■ Easy operation: specific image and graphic displays on the screen provide optimal operator support, for fast and straightforward system setting.

■ The individual sections, such as for example the grouping tables, the enclosure feeder stations, or the folding tables, are easily accessible to operating personnel.

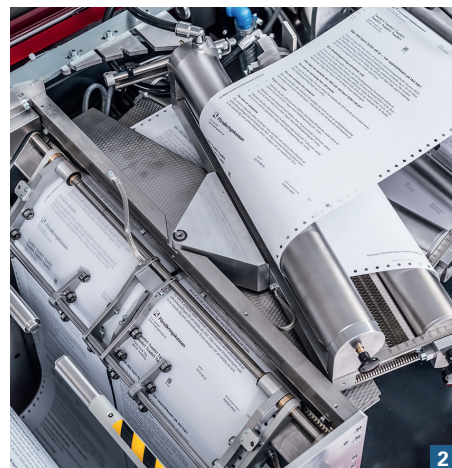■ Selective user permissions can be assigned to different access levels.

■ An automated input module (single sheet, continuous stack, roll) guarantees efficient paper feed.

**2** single or dual web documents are **cut to format,** collated, and transferred to the inserting system.

**Grouping** Folded formats can be collected above or below. Up to 100 unfolded document sheets can be collected.

**3** The Kern 5000 is equipped with a **four pocket folding unit.** The newly developed folding system allows practically all conceivable fold types to be carried out. Folds are carried out with the utmost precision and quality. The folding plates can be equipped with automatic adjustment to enable fast conversion.

**4** The system has a unique **rotary module.** Depending on the application, this module can rotate documents 90 degrees or transport them straight through.


2


4

1  2  3  4

kern 996   kern 5000

The built-in logic decides – on an application-specific basis – whether a document or document group should be rotated (both directions possible) so that it can be correctly inserted to the envelope according to window position.
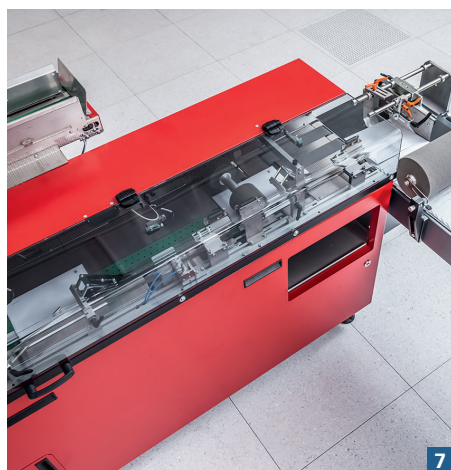
**5** The system can be equipped with up to **12 feeding stations** that can handle a wide range of enclosures. The following enclosure feeding station modules can be integrated for friction, rotary, or shuttle feeders.

**6** The collated packing content is inserted in the envelope.

**7** The flap is closed and sealed, and transported on the delivery belt. It's also possible to connect an optional postbox system.

The input module, machine output, as well as the folding and enclosure modules, can all be aligned to customer needs.

Kern mail*Factory*® software supports and accompanies the entire handling process with automated capture, control, and recording of detailed production data for all processing jobs. Its modular design creates the option to integrate various functions to the system hardware and software, even retrospectively.
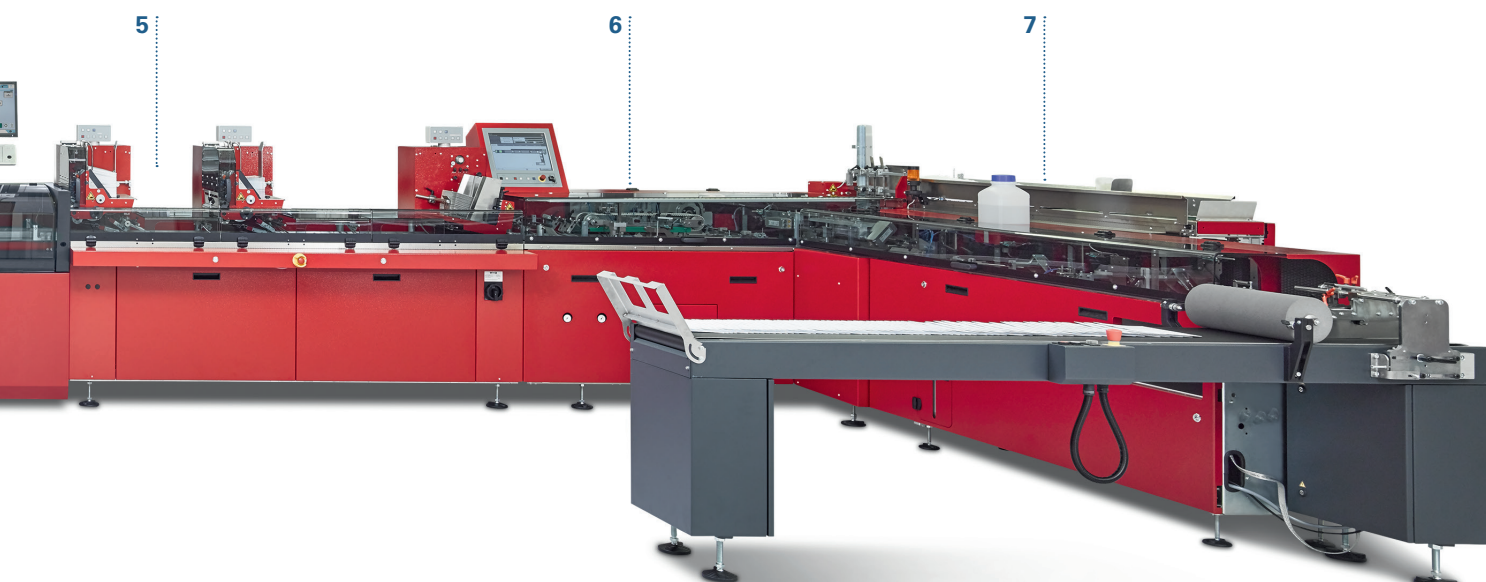
**Facts at a glance**

**Kern 5000**
**The all-rounder in all things formatting, easy to operate – flexible and efficient application.**

**Format flexibility**
The Kern 5000 inserting system is the result of **continuous further development of Kern inserting systems.** High diversity of applications aligned with your requirements – the Kern 5000 is a synthesis of flexibility, technology, and reliability.

**At a glance**
- Document format (L×W): 210–225 mm × 88,9–305 mm (14″ for folding applications)
- Maximum output: capacity/processing up to 16,000 inserts/hour
- Small to large production volumes
- Envelope format: C6/5 to B4
- Automatic format settings at format and job changes
- 4 pocket folding unit
- Max. inserter packing thickness: 15 mm, max. system channel packing thickness: 10 mm
- Kern mail*Factory*® compatible

**5**      **6**      **7**

## Kern service

### Trust is the foundation of good cooperation

The decision to purchase a Kern product is a choice for a continuous, trusting relationship. Reliable service is one of the key pillars of our company. For optimum system availability and productivity, the Kern Group offers a comprehensive and reliable service portfolio.

- Personal consultancy on-site
- Requirement analysis, and solution proposal according to customer needs
- Installation of the Kern systems
- System integration
- On-site training of your employees
- Reliable support and maintenance during operation
- Customer-oriented service and maintenance models after purchase.

## Kern worldwide

### Innovative systems for document processing and logistics

Kern AG is a Swiss manufacturer and worldwide supplier of products, solutions and services in the field of inserting and packaging systems as well as parcel terminals. The software and platforms that are tailored to the product and customer complete the Kern system landscape.

For more than seven decades, Kern has stood for great innovation, quality, flexibility and reliability. Factors that mean one thing above all: the highest level of security and service.

The basis for this is flexible production planning and process control on the one hand, and a long-standing and qualified team of experts in development on the other.

The Group operates in around 50 countries worldwide and employs about 750 people. Kern Service is available worldwide with 450 service technicians,on 365 days a year.

## Business Units



kern**Mail**



kern**Pack**



kern**Terminal**



kern**Service**

**Headquarter**

Kern AG
3510 Konolfingen
Switzerland

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

**Subsidiaries**

Belgium  www.kernnv.be
France  www.kernfrance.fr
Germany  www.kerngmbh.de
Great Britain  www.kern.co.uk
Netherlands  www.kernbv.nl
Spain/Portugal  www.kern.es
USA/Canada  www.kerninc.com