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Kern 996

Automatic Cutter

Options / reading

The Kern 996 can be augmented by a variety of optional features, making it fully configurable to the needs of individual customers. These options make the module even more adaptable to special job requirements.

Documents can be read by means of scanners, cameras, or dynamic OMR sensors interfaced to Kern's standard Oculus software. All of the common types of code are readable: barcode, datamatrix, OMR and OCR.

Reading on the fly is possible. The reading area can include the entire front and back of a document. This capability is ensured by an open reading area, which allows for FullPageScan, as well as other, upcoming reading methods.

The Kern 996 comprehensively monitors the logical flow of documents and intervenes immediately in the event of a fault.

Additional options:

- Reading devices and software (described above)
- Additional grouping table
- Longitudinal middle strip removal
- Funnel for vacuuming away waste from longitudinal and transverse cuts
- Waste bin for strips removed by transverse cuts
- Communication interface to roll unwinder

The optional grouping table (3 1/2" - 16") provides an additional performance boost. It acts as a buffer, thus enabling the cutter to operate at full speed.

When blank sheets are being processed, an optional diversion unit at the grouping table serves to reduce the number of rejected mail pieces.

Changes due to technical developments are possible.

kern
document output management

Kern 996 Automatic Cutter

Efficient input modules are the key to successful inserting these days – and as such they are crucial to high-productivity dispatching. With the Kern 996 Automatic Cutter, Kern is now bringing to market a module that meets every requirement placed on a high-performance continuous forms cutter: strong cutting performance, ease of operation, and high safety standards. The Kern 996 Automatic Cutter is combinable with all current Kern systems, processes a wide diversity of applications, and is quickly readied for work. This module is set to accelerate your document mailings.

Simplicity of operation was important to the developers of this automatic cutter. Ergonomic design and a touch-screen interface provide rapid access to the system. Paper is loaded automatically, making the setup process even faster.

Moreover, the flow of paper is clearly visible, and the paper can be easily accessed, so adjustments take very little time.

The Kern 996 Automatic Cutter is able to cut up to 66,000 documents per hour. Combined with a Kern 3500 High-Performance Inserting System, it can process up to three sheets per envelope with the inserter operating at full speed. The Kern 996 is designed for continuous operation.

The automatic cutter is compatible with all current Kern systems. Equipped with the same technologies found in the Kern 2600 Inserting System, it fits in seamlessly with the new product generation. The Kern 996 enables processing with all of the standard codes, such as barcode, datamatrix, OMR and OCR. Thus, it can be employed universally.



Fast, precise, versatile

The Kern 996 cuts single-track or two-track continuous forms, with or without pinfeed. Moreover, it can be set up for single or double cuts without having to change the knife. Paper feed into the cutter can be from a roll, or a continuous stack.

With a document length of 12", the Kern 996 achieves a performance of 66,000 cut forms per hour (with single cut), or 60,000 cut forms per hour (with 1/6" double cut).

Easy to operate

The Kern 996 Automatic Cutter has been specially designed for safety and ease of operation. For example, the intake of paper has been simplified: it is now automated, for fast and straightforward job setup. Ergonomically designed operating controls make the unit easier to work with; the main adjustments are all accomplished without any need for tools.

All paper paths are easily accessible, so adjustment work can be performed quickly. Noise exposure from the automatic cutter is no more than a modest 78 dB.

Like all other Kern products, the Kern 996 is guaranteed for a long service life under three-shift operating conditions. Service checks are only necessary after every 20 million cuts.

High working reliability

The basic version of the Kern 996 handles documents ranging in length from 3 1/2" to 16". Other salient features of the basic equipment include servo drives and an air cushion system for reduced paper friction.

In addition, the Kern 996 comes equipped with a reading bridge, a local operating panel, and a communication interface to all current Kern systems. These features ensure quick connectivity and ease of operation.

The emergency stop device and the safety lids with Interlock are important features of the Kern 996. The base frame, which is equipped with wheels and levelling feet, provides the module with the requisite mobility and stability.

- The Kern 996's cutting unit performs many different functions:
- Separation of two-track continuous paper down the middle
 - Pinless transport, buffering and merging of the paper tracks before the crosscut
 - Synchronised advance of paper by means of optically sensed marks or pinfeed
 - Crosscut by means of an oscillating knife
 - Variable double cut, software-controlled
 - Controlled transfer of cut documents to the inserting system
 - Residual paper trimmings are carried away where necessary

The module's broad range of applications means that the Kern 996 combines all the features of the K990 and K995, in particular synchronisation by pinfeed, logo or mark, pinless transport, and the ability to handle a very wide range of document formats.

The built-in universal oscillating knife can perform single, double and programmed cuts without retooling. Changeovers are accomplished by parameterisation alone.